THE CHEMIST AND DRUGGIST

TELEPHONE NUMBER: BANK 852 (two lines).

Established in ENGLAND, 1859.]

Registered as a Newspaper.

Published Weekly at 42 CANNON STREET, LONDON, E.C.

TELEGRAPHIC ADDRESS "CHEMICUS LONDON."

Established in [AUSTRALASIA, 1885.

No. 1,551. Vol. LXXV OCTOBER 16, 1909

Subscription, 10s. per annum, including Diary. Free the World over. Single Copies, 6d. each. Winter and Summer Issues, 1s. each. Post Free.

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THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, OCTOBER 16, 1909.

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers) and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done **PROVIDED the MONEY is TELEGRAPHED** at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules.

Telephone: No. 552 Bank (two lines). Telegraphic Address: "Chemicus London."

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."

GET A FIRM GRIP

of all that is worth having in the Drug Trade by advertising in The C.&D. Supplement.

IT PAYS TO PAY FOR THE POWER TO HOLD FORTUNE.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON (Central).—Good-class Business, Dispensing, and Retail; position unique; returns average £1,750 per annum; *net profit* £425; well-fitted shop, held on lease; price £1,500.

2.—LONDON, N. (Suburban).—Main thoroughfare; modern pharmacy; Retail, Dispensing, and Photographic; returns £1,900 per annum; roomy shop, double fronted; capital house; price £1,200.

3.—KENT (Suburban).—Ready-money Business; Retail, Dispensing, and Photographic; gross receipts average £1,200 yearly; *net profit* 25 *per cent.*; attractive, well-fitted shop; position good; rent £67; price £900.

4.—TOTTENHAM.—Old-established Business, Retail and Prescribing; returns average between £600 and £700 yearly; *profit (net)* £200; large residence, private entrance; rent £55; price £450.

5.—LIVERPOOL STREET STATION (within easy distance of).—Old-established Business, situate in busy thoroughfare; net income £350 yearly (proof given); early sale desired; price £450.

6.—HAMPSTEAD.—Retail and Dispensing Business; established many years; returns (present rate) £900, increasing; *net profit over* 25 *per cent.*; handsomely fitted shop, fully stocked; price £750, or valuation terms entertained.

7.—THAMES VALLEY.—Established Business, Retail, Dispensing, Prescribing, and Photographic; returns average about £1,000 per annum; *net profit between* £250 and £300; modern-fitted shop; comfortable house; price £500.

8.—SUSSEX (Health Resort).—Good-class Business; returns last year exceeded £800; *gross profit* 50 *per cent.*; modern-fitted shop, double fronted; large residence; rent moderate; price £650.

9.—WARWICKSHIRE.—Light Retail and Dispensing Business; returns last year £746, which produced a net income of £300; house contains 6 rooms; rent £30 yearly; price £400.

10.—WORCESTERSHIRE. — Old-established Business; Retail, Photographic, and Optical; returns average £1,089 yearly; *gross profit* £450; double-fronted shop, excellent position; large house; garden; price £700.

11.—CAMBRIDGE (within easy distance of).—Mixed Business; established many years; returns exceed £1,100; *profit (net)* £250; roomy house; private entrance; rent £35; price £450.

12.—CORNWALL.—Retail and Dispensing Business; held by vendor many years; returns exceed £1,400 yearly; scope for development; terms, goodwill £50, stock and fixtures at a fair valuation.

13.—BERKS.—Very old-established Business, Retail and Dispensing, with Wine and Spirit Department; the net income is £371; intending investors with £1,000 at command will find this a sound investment.

14.—DERBYSHIRE.—High-class Business; Retail and Dispensing; returns £760 yearly under management; *gross profit* 50 *per cent.*; handsomely fitted shop, fully stocked; large house; terms, valuation of stock and fixtures.

Particulars of any of the above will be furnished on application.

N.B.—NO CHARGE TO PURCHASERS.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasise the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.,** can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

AT YOUR SERVICE.

Telegrams: "BRETT, LEICESTER"
Telephone 160 Y.

BRETT & CO.

CHEMISTS' VALUERS AND TRANSFER AGENTS, STOCK-TAKING SPECIALISTS TO THE ENTIRE DRUG TRADE.

8 WEST STREET, LEICESTER.

Valuations for Transfer, Probate, Partnership and Stock-taking. Businesses sold expeditiously and privately. Investigations for Purchaser thoroughly undertaken. Stocks sold by Tender. Balance Sheets and Trading Accounts prepared.

Valuations have always our special and personal attention, and an experience of over thirty years is at your disposal. Every attention is given to detail, and the interests of our Clients well protected in every way possible.

Agency. Having always a large number of Buyers on our Books, we can frequently find a purchaser at once without any publicity whatever. We have also a private register for Vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

Stock-taking. This feature is increasing in every Profession and Trade, and in no form is it more pronounced than in the Drug Trade. The infinite detail, both in taking and extending a Chemist's stock, has been a stumbling block. This no longer is so, as here we as Specialists step in. We take it carefully in detail, extend, and thoroughly check each item, due allowance being made for damaged or worthless stock. This work is carried out by one of the Principals without in any way disturbing or affecting the usual routine of the business. By having their stock taken periodically Vendors are in a position to ascertain their actual net profit, which, of course, is a great advantage for income tax and other purposes. The stock-books are also of immense value in obtaining full compensation in case of FIRE.

Write us for our special terms for Stock-taking: it is our aim to make them so reasonable that you cannot do without us. All matters are treated in absolute confidence.

Businesses for Sale. We have on our books at the present time a great number of businesses for sale. Please write us stating exactly what you require—locality, class of business, and capital prepared to invest. We will then send particulars of those businesses likely to suit you.

Businesses Wanted. We are in immediate want of two good sound businesses in the Midlands, showing a clear net profit of £250 or over; good-class retail and dispensing with photographic trade. Also several good country businesses, returning £750 to £1,500.

MESSRS. BERDOE & FISH,

Chemists' Valuers and Transfer Agents,

35 JEWRY STREET, FENCHURCH STREET, CITY.

TELEPHONE: 1809 CENTRAL.

Have the following Businesses for Disposal. (No charge to Purchasers.)

1.—SOUTH COAST.—High-class Dispensing and Retail Business in much-sought-after locality; returns over £1,450; nearly 8,000 Prescriptions dispensed yearly; handsome pharmacy, well stocked; price £1,250.

2.—GLOUCS.—Good-class Retail, Prescribing, and Dispensing Business, in pleasant market town; returns £750 to £800, increasing; large shop; good position and heavily stocked; price £550.

3.—DERBYSHIRE.—Unopposed Light Country Retail Business; returns over £600 under manager; plenty of scope; corner shop (lock up); rent only £15; price £250, or valuation.

4.—SURREY.—Good-class Light Retail Business; in growing residential town; returns £550; no heavy trade; net profit over £200; good house and garden; charming locality; price £450.

5.—CHESHIRE.—Light Retail, Dispensing, and Prescribing Business, in good position; returns £800, excellent profits; good house; well-fitted shop and good stock; price £380, less than valuation.

6.—THAMES VALLEY.—Good-class Retail and Dispensing Business; in central position; returns about £700; large house and garden; attractive shop, heavily stocked; price £550.

7.—LONDON, S.W.—Middle-class Cash Retail Business; steadily increasing; returns over £1,200; net profit £300; good position; stock and fixtures worth £700 to £750; price £850.

8.—LONDON, N. (Few Miles out).—Light Cash Retail and Prescribing, with own Specialities; returns £9 to £10 weekly; half profit; plenty of scope; low rent; price £225.

9.—HOME COUNTY.—First-class Retail and Dispensing Business, with Optics; returns approach £1,300; net profit nearly £450 clear; charming locality; easy reach of Town; very attractive pharmacy and fully stocked; price about £1,250; strongly recommended.

10.—EAST COAST.—Light Retail, Dispensing, and Prescribing Business, unopposed; returns average £800; good profits; scope for increase; very convenient house; well-fitted shop, heavily stocked; price £575.

11.—YORKSHIRE.—High-class Retail and Dispensing Business, increasing steadily; returns about £700; pleasant locality; practically unopposed; modern Pharmacy, well stocked; price, simply valuation, plus £50 goodwill.

12.—DEVON.—Good profitable Retail and Prescribing, with Dispensing; in splendid position; returns £500; net profit £190; fine corner shop and good house; price £300, simply valuation.

13.—COUNTY DURHAM.—Good-class Light Retail Business; easily worked; returns exceed £650, increasing; net profit £200; well-fitted shop, fully stocked; price £400.

14.—MIDDLESEX.—Light suburban Retail and Prescribing Business; returns £500; fast-growing district; best position; low rent; good house and long garden; price for early sale £225; worth attention.

15.—LONDON (SURREY SUBURB).—Light Family Retail, Dispensing, and Prescribing; returns £610; net profit £200 to £250; good position; nice house, etc.; price £450.

16.—STREATHAM.—Light Family Retail Business, returning nearly £700; no near opposition; net profit £200; good house and shop; valuation only required, about £300 to £350.

STOCKTAKING VALUATIONS.

MESSRS. BERDOE & FISH make a special feature of, and special terms for, periodical valuations for stocktaking purposes. We value the stock in full detail without disturbing the routine of the business in the slightest degree; in fact, when we finish you do not know we have been. Read page 115 in *C. & D. Diary*, and then write us for our Special Terms. Correspondence cordially invited.

BUSINESSES WANTED.

MESSRS. BERDOE & FISH are in immediate want of sound concerns returning from £800 to £3,000, particularly in the Home Counties, West of England, Midlands, and Manchester districts; cash buyers waiting, quick sales guaranteed, without publicity. Terms sent on application.

PARSON C. BAKER

174 VICTORIA ST., LONDON, S.W.

Recommended by—MESSRS. BARRON, HARVEYS & CO.
MESSRS. MEGGESON & CO.
MESSRS. BARCLAY & SON, LTD.

Telephone: No. 27 Victoria.

IN populous district, Liverpool; a Prescribing and Retail Business; returning £400 per annum; very profitable; rent £24; price £200 or offer; part can remain.

IN centre of Manchester, a similar Business to above; nice Shop; convenient premises; returns £400; good prices; rent £26; price £150, less than value of stock and fixtures.

CENTRE of tourist district, Midland County; small town; Light Retail and Dispensing; returning £750; net profit £300; well-fitted shop; six-roomed house; rent £30; on lease; fullest investigation; price £400 or valuation.

NORTH LONDON.—Nice-class Family Retail and Dispensing, returning £700; central position; good district; well-fitted shop and good house; moderate rent; price very small; goodwill and valuation of stock and fixtures.

GOOD Cash Retail at full prices, returning £1,500, increasing; net profit over £400; capital required, £1,000; full particulars on application.

FREDK. WM. SMITH,

LICENSED CHEMISTS' VALUER.

Valuations for transfer of business, Probate, &c. Business for disposal. Stocks and Fixtures purchased to any amount for cash. Stocktakings undertaken. A Register kept of Assistants and Chemists requiring Assistants; no charge made.

3 Belgrave Terrace, LEEDS

TELEPHONE 02949.

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Telegraphic Address.

THOS. TOMLINSON & SON,

Chemists' Valuers and Expert Stocktakers,

Businesses transferred privately.

29 NEW CANNON STREET, MANCHESTER.

BUSINESSES FOR DISPOSAL.

3s. 6d. *for* **50** *words or less;* **6d.** *for every* **10** *words beyond, prepaid.*

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of 6d.

COLONIAL BUSINESSES.

We call the special attention of our Colonial subscribers to the opportunity this Supplement affords when they wish to dispose of their Businesses, of getting into touch with likely buyers either at home or in the Colonies.

BIRMINGHAM SUBURB.—A genuine Light Retail Business for Sale in residential district; pleasantly situated; good convenient house; a real bargain. Full particulars on application. 248/33, Office of this Paper.

BRISTOL Suburb. — Old-established Business; Dispensing, Prescribing, Light Retail; good sale Proprietaries; rent £50; lease; large shop (corner), well fitted; good house, bath, etc.; side entrance; small garden; net profit £232; books kept; reasonable offer or valuation; no goodwill; no near opposition; no agents. "Zero" (247/37), Office of this Paper.

EAST COAST.—Unopposed Light Retail, Dispensing, Prescribing, and Photographic Business, with valuable Proprietaries; well fitted and heavily stocked; population over 4,000; convenient house; electric light; good stockrooms; rent £40; average returns last three years £800; price £575 or offer (about valuation); only wants seeing. Particulars to genuine buyers only, "Lima" (245/22), Office of this Paper.

KENT (within 15 miles of Town).—Good-class Retail and Dispensing Business, returning over £1,800 per annum, and dispensing over 10,000 prescriptions; net profit between £450 and £500; good house, long lease; price £1,250; most satisfactory reasons for sale; strict investigation courted, and only cash buyers treated with. "M. J. T." (251/25), Office of this Paper.

KENT.—A small unopposed Business in the centre of the cement industry, and within half a mile of the proposed new dock; returns £7 weekly under varying management; can be much increased; population 8,000; good house; rent £35; proprietor unable to give attention; easy incoming. Apply, R. Feaver Clarke, 21 High Street, Gravesend.

LONDON, W.—Good Retail and Dispensing Business for Sale; situated main road; attractive shop, fully stocked; convenient premises; returns £1,500; price £750. Truscott & Morris, 11 Bond Court, Walbrook, E.C.

LONDON.—For Sale, through ill-health, a lucrative Business in a busy working-class locality; the net profits are excellent and scope for increase is afforded; good opening for Dentistry; price required not much more than one year's profits; part purchase money might remain to suitable man. "Reliable" (251/13), Office of this Paper.

LONDON, S.E.—£150 cash and £100 in 2 years will buy old-established Business returning £550; commanding shop; main suburban road; rent £60, lease; good scope to increase; opening for Dentistry; stock and fixtures worth £275; sacrifice through ill-health. Apply, "Immediate" (252/2), Office of this Paper.

MANCHESTER Suburb.—Ready-money Business; Retail, Prescribing, and Extracting; no opposition; developing neighbourhood; returns under manager over £450; gross profit over 50 per cent.; good opportunity; price £250 cash; intending purchaser should try it for a week. Apply, "Statim" (250/30), Office of this Paper.

SOUTH COAST.—For immediate Disposal, on account of ill-health, old-established good-class Light Retail, Dispensing, and Photographic Business; good prices; few Patents; good position in main thoroughfare; large double-fronted shop and roomy house; returns £1,100 to £1,200; price about £900. Address, "Statim" (249/37), Office of this Paper.

VICTORIA PARK, E. (near).—Old-established Cash Retail and Prescribing Business; returns about £400 (increasing), yielding net income of £150 per annum; well stocked; in excellent position; same hands 12 years; low price. 251/17, Office of this Paper.

WARWICKSHIRE.—Price £350; genuine old-established Light Retail and Dispensing Business; returns £600, at good profit; mostly cash trade; populous neighbourhood in main thoroughfare; good opening for Dentistry; purchaser with capital could increase returns very considerably; rent £32. Full particulars, "W. M.," c/o Wyleys, Ltd., Coventry.

BUSINESS-BUILDERS seek positions; few pounds secures one of the best; few (if any) as good; practically unopposed; aged vendor's failing health compels disposal, hence bargain; busy centre; shopping thoroughfare, N.W.; established business; dense population, considerable number good class; Dentistry addition would meet pressing want; ambitious Chemist's opportunity. 248/13, Office of this Paper.

BUSY main shopping centre; S.E. London; returns £1,000 by manager; net profit £300; rent and taxes only £1 week; lease; price £500, of which £200 could be paid by instalments; owner left the trade; fine opportunity for young man with £300 cash. "Veritas" (251/205), Office of this Paper.

CAPITAL £150; £100 cash, remainder on easy terms; splendid opportunity for energetic all-round man in rapidly-growing town on South Coast. "Primus" (247/20), Office of this Paper.

CHEMIST-OPTICIAN; good solid connection, capable of great extension; situated in a main leading thoroughfare; Pharmacy handsomely fitted in up-to-date style; electric light; good chance for a smart man to do cash trade; rent of shop with back room £23 per annum. Tideswell, Produce Exchange Buildings, Liverpool.

DENTISTS.—Splendid opening for a Chemist-Dentist on main road of West London suburb; no opposition; modern house and garden; handsomely fitted shop, well stocked; large cased-in windows; rent £50; lease 14 years; gross profit £230; price £150; books properly kept. "Chemist," 6 Station Road, New Barnet.

EXCEPTIONAL; genuine Retail, Dispensing, and Photographic; main road; returns (increasing) £638; net profits £213; books kept, therefore no deception; price £450; stock, fixtures, lease, and valuable proprietaries honestly worth £600; owner retiring or business would not be offered for disposal. "Pharmacist," 39 Lily Ville Road, Munster Park, S.W.

FOR Disposal, Retail Drug-store, warehouse and office attached; suitable for working small Wholesale business; splendid opening for qualified Chemist; thickly populated district; main thoroughfare; office and warehouse optional. Apply, Field's Buildings, Sandbeds, Queensbury, near Bradford.

FOR Disposal, Shop and Branch in South Wales Colliery district; very profitable Prescribing Business; no reasonable offer refused. Apply, "Genuine" (233/30), Office of this Paper.

BUSINESSES FOR DISPOSAL

(continued.)

ILL-HEALTH cause of Sale; first reasonable offer accepted; Light Retail, Family, and Optical Business on Kent Coast; returns £500 at exceptional profits; up-to-date premises; on lease; light expenses; plenty of scope. Particulars from "Velox" (249/17), Office of this Paper.

LIVING assured to hard worker; profitable old-established Business in working-class district, London, East, for immediate Disposal; little opposition; few Patents; returns £400; open to every investigation; trial allowed; price all at, £150. Apply, 246/32, Office of this Paper.

PRESCRIBING Business; South Midlands; small house and shop; very low rent; returns last year under unqualified management £464; no patents; large profits; Optics, Extractions; absolutely genuine; no agents; suit small capitalist. "Botanist" (245/5), Office of this Paper.

RARE opportunity for qualified or unqualified.—Advertiser, owing to ill-health, is compelled to Sell immediately, at a great sacrifice, Chemist-Optician's Business in West-end busy main thoroughfare; profits 80 per cent.; price £80, including fixtures, stock, and goodwill; offer for the whole business may be considered. "Genuine" (251/37), Office of this Paper.

£130 (or near).—Immediate cash will Purchase an old-established Retail and Prescribing Business; Patents almost nil; doing between £6 and £7 weekly; capable of increase with Side-lines; low rent; well stocked and fitted; good reasons for disposal. Apply, "Statim" (200/35), Office of this Paper.

£135; Chemist's Business for Sale; well-stocked; double-fronted shop, well fitted, standing in a prominent position, surrounded by crowded neighbourhood; cause of selling, death of proprietor; this business suitable to energetic man; willing to take part payment and remainder by instalment. Write, 252/18, Office of this Paper.

£200; Lancashire; Branch Chemist's Business for Sale; centrally situated principal street and market-place; good shop and house; healthy, prosperous industrial market town, Tuesday and Saturday; cattle market every six weeks; population 18,000; large plate-glass window; Ready-money Light Retail, Prescribing; splendid opening Dentistry, Optics, Photo; done £700 to £800; badly neglected under managers; now increasing; principal having other interests. 247/32, Office of this Paper.

£500; exceptional offer; owner going abroad; 2 sound, genuine Cash Businesses for immediate Disposal at above inclusive price; good living accommodation with large, old-fashioned garden; long lease; low rental; Kent (near London). For further particulars write to 250/37, Office of this Paper.

£225 secures a genuine cash Retail and Prescribing Business; N.W. district, close to Tube station; present net profit about £250; qualified man would do much more; net expenses 21s. weekly; stock worth at least £200; books properly kept; trial allowed; only requires seeing. Address, "Urgent" (251/025), Office of this Paper.

LONDON.—Wholesale Manufacturing Tooth and Hair Brushes for Sale, owing to death of proprietor; trustees will sell for £1,000 as a going concern. Apply, Addis, 44 Herbert Street, Hoxton.

BUSINESSES WANTED.

WANTED to Purchase a Business, or a Partnership would be entertained with view to purchase; capital at command £1,500. Full particulars in confidence to "B. G." (246/30), Office of this Paper.

WANTED, a sound Business in Lancashire, Cheshire, or Derbyshire; cash available £600; must bear close investigation and be capable of increase. Full particulars of returns, class of trade, rent, etc., in strictest confidence, to "Pommade" (248/28), Office of this Paper.

WITHIN 60 miles of Liverpool.—Wanted, good-class Country Business; showing up to £300 or £400 gross profit per annum; must be in pleasant surroundings; good house, with garden essential; prepared to pay fair value for suitable opening; replies will be treated in strict confidence. "N. W." (249/8), Office of this Paper.

TENDERS.

COUNTY OF LONDON.

THE London County Council invites TENDERS for the supply of 15,500 tons of lime and 3,300 tons of proto-sulphate of iron, or, as an alternative, ferric sulphate, to the Barking outfall works, near Beckton, North Woolwich, and of 9,800 tons of lime and 2,800 tons of proto-sulphate of iron or, as an alternative, ferric sulphate, to the Crossness outfall works, near Erith, Kent.

Forms of Tender and other particulars may be obtained on and after Wednesday, October 20, 1909, upon application to the Chief Engineer of the Council, Mr. Maurice Fitzmaurice, C.M.G., at the County Hall, Spring Gardens, S.W. Each tender must be upon the official form, and the printed instructions contained therein must be strictly complied with or the tender may be rejected. Each tender is to be delivered at the Council Hall in a sealed cover addressed to the Clerk of the London County Council, Spring Gardens, S.W., and marked "Tender for Lime" or "Tender for Proto-Sulphate of Iron and/or Ferric Sulphate." No tender received after 11 A.M. on TUESDAY, November 2nd, 1909, will be considered. The Council does not bind itself to accept the lowest or any tender, and it will not accept the tender of any person or firm who shall on any previous occasion have withdrawn a tender after the same had been opened, unless the reasons for the withdrawal were satisfactory to the Council.

G. L. GOMME,
Clerk of the London County Council.
County Hall, Spring Gardens, S.W., October 13, 1909.

TO LET.

DOUBLE-FRONTED lock-up Shop to Let; suit Chemist (no Chemist within 3 miles); situated at Knaphill, Woking, Surrey. Apply, W. J. Boullin, 24 Chertsey Road, Woking.

SHOP to Let; positively a good opening for a Chemist and Druggist, with no other chemist's shop in the road or near; situated in a fast-developing district, where Chemist is needed. Address, 86 Moyser Road, Streatham. Apply, H. Thorp, 42 Pretoria Road, Streatham.

TO CHEMISTS.—Commanding Business Premises, with all modern improvements, in centre of main thoroughfare, Barnet; front to suit tenant's requirements; very moderate rent. Particulars of W. A. Peake, Chemist, Hertford.

PARTNERSHIPS.

GENTLEMAN who can influence and introduce a big business in United Kingdom and Ireland is open to treat with manufacturers with a view to engaging as Plenary Representative, either salaried or on partnership basis; confidence respected. Address "Tartan" (249/3), Office of this Paper.

OLD-ESTABLISHED Wholesale Drug firm, doing business with Medical Men, Chemists, and Veterinary Surgeons, are open to entertain offer of Partnership from gentleman (by preference traveller with connection and willing to travel). Apply, by letter, to "Buchu," c/o W. S. Ash, Esq., Norfolk House, Laurence Pountney Hill, E.C.

PARTNERSHIP wanted by young energetic Chemist and Optician; qualified and thoroughly experienced; expert in Retinoscopy; accustomed to good-class trade; highest references. Send particulars of capital required and probable return on same (strictest confidence guaranteed), "Birkett" (247/34), Office of this Paper.

APPRENTICESHIPS.

APPRENTICE.—Advertiser (age 17) seeks entrance to good business house with comfortable home. A. Dayeh, 113 Darenth Road, Stamford Hill, London.

APPRENTICESHIP.—Wanted to Apprentice boy (15) to Chemist. Please state particulars, terms, and opportunity for study. W. Robinson, 39 Ranelagh Road, Tottenham, N.

AGENCIES.

SOUTH AFRICA. Advertiser, qualified Chemist, with large experience of trade, is desirous of Representing first-class firm in South African Colonies; firms wishing to be represented or having any agencies to offer should communicate their requirements to "Signal," P.O. Box 691, Capetown.

REPRESENTATIVE Agents required in all parts of the United Kingdom by new-established manufacturing firm of high-class Eau de Cologne and Cosmetics. Only those who are well introduced in the trade may apply to 246/10, Office of this Paper.

WANTED to appoint Sole Agents for Sundry line, "P. A. T. A.," sells at sight, in Manchester, Liverpool, Birmingham, and all large centres. Only those with good connection and representing good-class lines, apply, 240/40, Office of this Paper.

BOARD AND RESIDENCE.

TO ASSISTANTS AND OTHERS.—Apartments; board optional; moderate terms. Address, Mrs. Louisa B. Privett, No. 4 Guilford Place, Russell Square, W.C. Established 1886. Telegrams, "Hightoned," London.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond, prepaid.

This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of advertisers who use a number or nom de plume.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitableness.

BE BRIEF BUT CLEAR—millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that *the Advertiser* pays postal charges in such cases, and perhaps this reminder will obviate the necessity of the constant return of remittances which forgetfulness of this fact entails.

REPLIES TO ADVERTISEMENTS may be addressed to this Office and forwarded to the Advertiser for an additional charge of 6d. Trade circulars and samples can in no case be forwarded.

RETAIL.

BIRMINGHAM.—Young qualified Assistant, in- or out-door, for Management of suburban Branch (Prescribing, Light Retail, and Photographic); half-day off weekly from 1; alternate Sunday duty 6 to 9; character must bear investigation. Full particulars, enclosing photo and stating salary, to H. Critchlow, 161 Monument Road, Edgbaston, Birmingham.

TOO MANY TO REPLY TO.

An advertiser under this heading in last week's issue (A. B. N. 233/36) asks us to intimate that all applicants who have not received a reply from him must consider their applications refused. He states that he has received a great many replies and wishes to save anxiety, but he cannot write personally to every applicant.

BOMBAY.—Assistant (just through his exam. preferred) for an English firm of Chemists; two other qualified Assistants kept; passage P. & O. paid out and home; 3 years' agreement; salary first year £175, second £200, third £215. Apply, with photo and copy testimonials, to "Bombay," c/o S. Maw, Son & Sons, 7 to 12 Aldersgate Street, E.C.

BRISTOL.—Junior, energetic, for Cash Retail and Prescribing; half-holiday weekly; whole day monthly. State age, height, and salary, with references and photo, Hayward, Redfield, Bristol.

CALCUTTA.—Qualified (Minor) man of good experience and first-class references required for Calcutta; age under 28; single; 4 years' agreement; passage paid out and home. Full particulars on application to 224/4, Office of this Paper.

DEVON County Asylum, Exminster.—Male Dispenser-Bookkeeper, qualified, required; salary £52 per annum (indoors); age not to exceed 40. Apply to A. N. Davis, Esq., 2 Whitehall Court, London, W.

FULHAM, S.W.—Qualified Assistant; Cash Retail; indoors; reasonable hours arranged, including half-day weekly. State age, references, and salary to Arnett & Co., 207 Munster Road, Fulham, S.W.

GREAT MALVERN.—Junior Assistant, qualified, for good-class Dispensing and Light Retail business. Please give full particulars in first instance, and state salary required (indoors), A. E. Baylis, Great Malvern.

HARROGATE.—Assistant wanted; state age, height, and salary required (outdoors); no night or Sunday duty. Apply, Butterfield, Pharmacist, 5 Station Bridge.

IPSWICH.—An Assistant for a Light Retail and Dispensing business. Please state salary required (outdoors), F. Stacey, 16 Westgate Street, Ipswich.

LANCASHIRE.—Medical man requires experienced Dispenser (male), about 35; single; good references; morning and evening hours; no bookkeeping; salary, £1 10s. per week (outdoors). Apply, by letter, 249/14, Office of this Paper.

LIVERPOOL.—G. R. Tharratt, Pharmaceutical Chemist, 17 Myrtle Street, Liverpool, is requiring an unqualified Assistant of good address; about 25 to 28 years of age; applicants must be well recommended and have been accustomed to a general Retail and Dispensing business, and will please oblige by stating in first letter age, height, salary required (outdoors), and where previous experience has been gained.

LONDON, N.W.—Wanted, Bookkeeper; one with knowledge of the business and good writing essential. W. Browne, late T. H. Bateman & Co., 509 Finchley Road, N.W.

LONDON, W.—Wanted, qualified Assistant, age 25, indoors, with first-class Retail and Dispensing experience. Apply F. Andrews, 34 Leinster Terrace, Lancaster Gate.

LONDON, W.—Qualified Assistant, with high-class and Store experience; active and obliging; rooms provided; hours 9 to 10.30; one day weekly; age about 40; also qualified Manager; moderate salary; easy hours. State age, salary, and experience, "Z." (249/38), Office of this Paper.

SITUATIONS OPEN *(continued).*

LONDON (near).—Wanted, qualified, smart, energetic, good all-round Manager for good-class business; Photography essential; good opening for Optics; knowledge of Agricultural preferred; good salary to thorough business man; photo. 248/17, Office of this Paper.

LONDON, W.—Wanted, a gentlemanly Junior Assistant, about 22, accustomed to a high-class Dispensing business; 3 kept; outdoors; hours 8.30 to 8; duties every third night to 10.30 and every third Sunday, one evening a week off at 5; qualification not essential, but those who have been employed in drug-stores need not apply. Address full particulars, stating height, salary, and enclosing "carte," to Mr. D. L. Lewis, Chemist, Ealing, W.

LONDON, S.W.—Smart Junior Assistant; about 21; indoors; accustomed to Dispensing and Light Retail; knowledge of Optical business an advantage, but not essential; weekly half-holiday. State when disengaged, age, height, experience, salary required, and enclose photo, Chemist-Optician, 76 High Street, Wimbledon, S.W.

LONDON, W.—Junior; about 21; outdoors; good-class Dispensing and Retail business; good counterman and window-dresser essential; personal application preferred. Apply, Gosling, 173 Ladbroke Grove, W.

LONDON, W.—Part-time Junior wanted at once; outdoors; daily 8.30 to 10.30 and 12.30 to 2.30, Sundays 6-9, also two days 1.30 to 10. Send usual particulars and state salary required to F. G. Turner, 67 Fernhead Road, W.

LONDON, S.E.—Assistant wanted (outdoors) for quick cash Retail. Apply, stating age, salary required, experience, also references, to 509 New Cross Road.

LONDON, W.—A qualified Junior (24 or 26 years) in good-class Dispensing business; outdoors. Apply, with usual particulars, to "J. B." (252/4), Office of this Paper.

LONDON, W.—Junior Assistant; unqualified; accustomed to best-class Retail and Dispensing business; outdoors. Apply, with full particulars, to "C. G. H.," c/o Shirley & Son, 60 Westbourne Grove, Bayswater, W.

LONDON, S.W.—Junior Assistant; indoors; qualified preferred; if unqualified not under 25; half-day off weekly. Please enclose photo (to be returned) and full particulars as to salary, etc., F. T. Tupholme & Son, Coleherne Terrace, Earl's Court, London.

LONDON, S.W.—Wanted, qualified Junior Assistant; indoors; with first-class Retail and Dispensing experience. Apply, J. B. Barnes & Son, 225 and 227 Knightsbridge, S.W.

LONDON, S.W.—Qualified Assistant, quick and accurate Dispenser (from 22 to 25 years of age), for a high-class Dispensing business; outdoors, but to sleep on the premises. Apply, by letter, stating experience, salary, and when disengaged, to Mr. Porter, Messrs. S. Maw, Son & Sons, 11 Aldersgate Street, E.C.

LONDON.—Unqualified Assistant for high-class Retail and Dispensing; indoors; only one kept; must be well recommended and have had good Dispensing and Retail experience. State salary required and full particulars, enclosing photo if convenient, "Pharmacist," Hearon, Squire & Francis, Ltd., 38 Southwark Street, S.E.

MANCHESTER.—Fully qualified Assistant, experienced in the preparation and packing of Specialities for Store trade; state age, experience, salary, with copies of testimonials; hours 54 per week, Saturdays 8.30 to 3. Address, 249/30, Office of this Paper.

MANCHESTER.—Wanted, qualified Manager for Branch; middle-class Cash business; house and gas free; half-day weekly. Apply, stating age, salary required, and copies of last two references. H. Lockwood, Chemist, Harpurhey, Manchester.

MANCHESTER CITY.—Qualified Manager and Junior, also unqualified Junior, required for permanency; short hours; outdoors; time for study; accustomed to West-end trade; knowledge of salesmanship, modern business methods, Optical work, and window-dressing necessary; salary in proportion to capabilities of promoting business. Enclose a stamped addressed envelope for reply to 245/17, Office of this Paper.

MIDLANDS.—Large town; good qualified Manager, with view to early purchase; suburban Light Retail; convenient house; capital required about £200; if not replied to in 7 days please consider respectfully declined. 248/4, Office of this Paper.

RYDE, I.W.—Wanted, Indoor Assistant; about 25; one used to high-class Dispensing business, also with Photographic knowledge; hours 8 to 8, 9 Saturdays, one hour off every morning, and half-day weekly, with alternate Sunday and night duty. Apply, stating age, height, and salary required, with photo if possible, to Tenison Smith, Ryde, I.W.

SOUTHAMPTON.—Assistant (unqualified) for Light Retail and Dispensing business. Apply, with usual particulars, to R. H. Fowler, 56 London Road, Southampton.

SWITZERLAND.—Wanted, an English qualified Assistant with Continental experience and speaking French. Send full particulars in first letter as to age, salary, and references, together with photo, to the British and American Pharmacy, H. Masset, Lausanne.

TORQUAY.—Wanted, an Assistant; indoors; qualified preferred; good Dispensing experience and reliable references. Please state full particulars, with salary, and enclose photo, J. W. Cocks, Pharmaceutical Chemist, Torquay.

WIMBLEDON, S.W.—Assistant required for Family Store trade; references must bear thorough investigation; good opening for reliable man; no Sunday or holiday duties; Photographic essential. Apply, Davies, 50 Broadway, Wimbledon, S.W.

WOKING.—Wanted, immediately, Improver or Junior in good-class Dispensing business; indoors. Apply, with full particulars as to salary, references, also photo (to be returned), to Davies, Chemist, Woking.

A. G. GLASSPOOL, LTD., Halesowen, require a qualified Manager, married, to live on premises, for Branch; personal interview essential. Applicants must be well up in photo and not afraid of work.

CITY OF LONDON HOSPITAL FOR DISEASES OF THE CHEST, Victoria Park, E. (nearest station Cambridge Heath, G.E.R.).—Applications are invited for the appointment of Dispenser (male) at above Hospital. Candidates must be duly qualified. Applicants should be under 35 years of age. Commencing salary £120 per annum. Applications, in candidates' own handwriting, with copies of at least three recent testimonials, must reach the Secretary at the Hospital on or before first post October 26. H. Dudley Ryder, Secretary.

COMPETENT, unqualified Assistant (outdoors) wanted for good-class Retail and Dispensing business. Apply, with full particulars as to age, experience, and salary required, photo if possible, Dring, Teignmouth.

IMPROVER or Junior in Light Retail; close at 1 on Wednesdays; very little Sunday duty; suitable indoor application entertained; outdoor preferred. State age, height, and salary required, Chesterfield, 190 Canterbury Street, Gillingham, Kent.

LADY, having some knowledge of the business, as Housekeeper, and to assist at counter occasionally; small mixed country business. Particulars to 249/24, Office of this Paper.

LEWIS & BURROWS have a vacancy for an unqualified Assistant; must be a smart counterman. If application is made by letter, kindly enclose photograph and full particulars to 146 Holborn Bars, E.C.

QUALIFIED Chemist, with Dental knowledge, Extractions, Vulcanite work, etc.; about 26; North-countryman or Scotsman; for South of England. State full particulars to "Northerners" (244/10), Office of this Paper.

QUALIFIED Managing Assistant wanted in West suburb; about 25; must be capable of directing and taking entire charge of a high-class Dispensing establishment; outdoors; 3 kept; hours 8.30 to 8, duties every third night (8 till 10.30), and every third Sunday (10 A.M. to 1.30 P.M., 2.30 to 5, 6 to 10.30), one evening a week from 5 P.M.; salary to commence at 50s.; those who have been employed in Drug-stores need not apply. Address full particulars as to height, experience, etc., and when disengaged, to "D.," Messrs. Barron, Harveys & Co., 22-30 Graham Street, City Road.

RELIABLE Assistant wanted, early in November; accustomed to good-class business; must be a quick, accurate, and neat Dispenser; age 23 to 27. Personal application preferred, or write full particulars to H. J. Perrett, 90 Victoria Street, Westminster, S.W.

WANTED, immediately, qualified Assistant (indoors) for good-class business in Midlands; good references essential. Particulars, with photo and salary required, to 245/18, Office of this Paper.

WANTED, a qualified Manager (married) for Branch establishment; one who understands Photography. Apply, with photograph and testimonial, to E. C. Ashford, Chemist, Northampton.

WANTED, a Junior Assistant, with Dispensing experience; indoors; another kept. Apply, with usual particulars (personal interview preferred), to P. Stacey, Pharmaceutical Chemist, 81 High Street, Teddington, S.W.

WANTED, smart qualified Assistant for quick Store trade. Wands, Ltd., Leicester.

WHOLESALE.

A WELL-KNOWN firm of London Wholesale Druggists requires to be Represented in Australasia either by an Australian firm of agents or by a representative travelling for other firms in non-competitive lines. 245/13, Office of this Paper.

ADVERTISING.—Applications are invited from young pharmacists or others with experience of the trade (Wholesale or Retail) for vacancies on the Advertisement Department of a large Wholesale firm; evidence of ability to write crisp correct English in the form of correspondence, advertisements, or pamphlets must be submitted, together with full details of experience, age, and salary required, to "C. D." (200/203), Office of this Paper.

CLERK wanted in Wholesale Manufacturing Chemists; age about 18 years; knowledge of invoicing preferred. Apply, with full particulars, to "H. G." (251/26), Office of this Paper.

LABORATORY.—Young man, having good practical experience in Wholesale Druggists' Laboratory. T. Hodgkinson, Prestons & King, 81 Bishopsgate Street Without.

PILLMAKER wanted, with thorough practical knowledge of Pill Making and Coating. State fully age, experience, and wages required, to "Toby," 17 Macaulay Road, Clapham Common, S.W.

TRAVELLERS required in town and country calling upon Chemists and Doctors, to carry a Side-line on 10 per cent. commission; a popular Speciality having extensive and increasing sale, showing good profit to the retailer. Apply, by letter in first instance, giving particulars of ground, Wilson, Manor Chambers, High Road, Streatham.

WANTED, at once, one or two smart Representatives calling upon Doctors, Chemists, Hospitals, to take up new side-line on commission. Write, stating full particulars, to L. Hanneman & Son, 1 Park Parade, Harlesden.

WANTED, in large West-end house, a Warehouseman, for light work; to be well acquainted with Patent Medicines and Druggists' Sundries. State experience and salary required to 1454, Sell's Advertising Offices, Fleet Street, London.

WANTED, an Assistant in Literary Department of large private firm; a gentleman with medical or pharmaceutical knowledge who has made a study of modern languages. State age, experience, languages, and salary required, to "N. J." (200/23), Office of this Paper.

YOUNG man, about 23, required in the Wholesale, who has had good experience in handling Surgical Instruments and Druggists' Sundries for the Export trade. State full particulars and wages required to 200/44, Office of this Paper.

YOUNG man, with three or four years' Retail experience, required for Wholesale (Chemists' Specialities, etc.); one who is not afraid of work and seeking a permanency. Reply, stating age, experience, and salary required, to "Energetic" (199/34), Office of this Paper.

WANTED, firm to share expense of Traveller calling upon Grocers, Druggists, etc., in Germany. Write 252/6, Office of this Paper.

SITUATIONS WANTED

(Colonial, Indian, and Foreign).

1s. for **12** words or less; **6d.** for every **10** words beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of **6d.**

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies or elsewhere abroad.

FRANCE or Colonies.—Diploma Chemist, German (35), speaking fluently S Ling., expert Salesman and Dispenser, seeks, at once, position in first-class shop. Offres sous, Dr. H. K., Paro St. Maur (Seine), 56 Avenue de l'Echo.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid.

[HOME.]
RETAIL.

PART-TIME; evenings or otherwise; all-round experience; excellent references. Marns, 71 Army Street, Clapham.

SENIOR Assistant or Manager; good Window-dresser, Dispenser, Counterman, Photographic; modern Store methods; good references; 6 years last two berths (London); 32; tall; permanency only; disengaged October 23; unqualified. "T. H.," c/o Galloway, Chemist, Blackpool.

QUALIFIED Assistant (outdoors); disengaged; tall; 38; town or country; good salesman, Prescriber, Extractor; some knowledge Optics. "Chemist," 47 St. Mary's Terrace, Hastings.

JUNIOR; good all-round experience; age 23. "Noctona," 140 Sydenham Road, S.E.

CHEMIST; qualified; term or permanent; country preferred. 245/27, Office of this Paper.

JUNIOR; 23; first-class experience; disengaged November 4. Allman, 90 Victoria Street.

MANAGER or Assistant; qualified; country preferred; age 50. Address 245/2, Office of this Paper.

ASSISTANT; outdoors; qualified; age 31; good experience. Jones, Barrog House, Penybontfawr, Oswestry.

QUALIFIED; 26; tall; disengaged; good experience. "Xaxaquin," 113 Malvern Road, West Kilburn.

DISENGAGED; outdoors; unqualified; 32; moderate terms. "Assistant" (246/11), Office of this Paper.

QUALIFIED; 25; outdoors; first-class experience; Square training; disengaged. 246/3, Office of this Paper.

LOCUM or permanency; qualified; trustworthy; experienced. "Rhei," 34 Ellingham Road, Shepherd's Bush, W.

QUALIFIED; 23; approximate hours desired, 9 to 6; City or West-End. "B. J. W.," c/o Harris, 30 King Street, St. James's, S.W.

HOSPITAL experience, London, under lady pharmacist; ladies with Hall certificate preferred. Apply, 246/20, Office of this Paper.

QUALIFIED Manager seeks change; tall; abstainer; 28; all-round experience; North preferred. "Midland" (245/24), Office of this Paper.

MANAGER (Branch) or Locum; Minor; middle-aged; disengaged; terms moderate; highest references. "H. P.," 8 Arnold Road, Tottenham, N.

UNQUALIFIED; 27; disengaged; height 5 ft. 9 in.; West-end experience; also knowledge of Photography. Arthur, 11 Lawn Terrace, Blackheath.

QUALIFIED Senior or Manager; 4½ years present situation; Photography; 28; disengaged October 31. "Salol," 5 Queen's Parade, Cheltenham.

QUALIFIED (25) desires permanency; outdoors; good experience, Dispensing, Photography; disengaged. "Statim," The Pharmacy, Newquay, Cornwall.

PART-TIME; near South London; Schools, Doctor, Chemist, or Institution; 6 years' good references. Apply, "Student" (245/1), Office of this Paper.

PART-TIME or Relief; experienced; unqualified; tall; 28; active; stockkeeper, window-dresser, and counterman; S.W. or West-end preferred. Ellis, 54 Park Avenue, Mitcham.

ASSISTANT (28), speaking French, German, and little English; moderate salary; some experience English pharmacy; good references. Marcovici, 5 Fulham Place, Paddington, W.

JUNIOR; 21; 5 years' experience, Photography, window-dressing; energetic, trustworthy; excellent reference. Further particulars on application to A. Clapham, Trafalgar Square, Barking.

QUALIFIED; 27; disengaged; Manager, or with view to succession; experienced; good references; Photographic and Dispensing. "Pharmacist," 94 Canterbury Road, West Kilburn.

IMPROVER (19), Preliminary passed except one subject (French), requires experience in London; tall, gentlemanly, active; 3 years' experience; moderate salary. A. C. Smith, Broad Street, Pershore, Worc.

SITUATIONS WANTED (*continued*).

MINOR Student; 21; part-time berth; London only. 245/20, Office of this Paper.

UNQUALIFIED; 23; tall; good all-round experience; abstainer. Mapson, South Parade, Bath.

JUNIOR; 20; tall, willing, obliging; excellent references. "R.," 3 Belton Road, South Tottenham.

QUALIFIED; 21; tall; outdoors preferred; all-round experience. Teare, While Road, Sutton Coldfield.

JUNIOR; 22; tall; time for study; outdoors preferred. G. Almeroth, 32 Leigh Hall Road, Leigh-on-Sea, Essex.

MANAGER; qualified; sober and reliable; good references. "Ajax," 129 Richmond Road, Montpelier, Bristol.

QUALIFIED; 26; good experience; North of England preferred. Beaumont, Skelbrooke, Cleadon, Sunderland.

MANAGER; qualified; Devon, Cornwall preferred; excellent references. Partridge, 21 College Road, Reading.

UNQUALIFIED (24), experienced, requires situation; outdoors. "Radix," 74 Broad Lane, Laisterdyke, Bradford.

UNQUALIFIED; 22; Dispensing, Photography; outdoors; disengaged. Stutely, St. Andrews, near Bungay, Suffolk.

MANAGER; Locum or permanency; middle-aged; qualified; abstainer; disengaged. "C. S.," 10 Raby Street, Darlington.

QUALIFIED Manager; 37; 5 ft. 9 in.; good varied experience; disengaged November 12. B. Kilvert, 98 Moston Lane, Manchester.

DISENGAGED; unqualified; 38; 16 years' London Stores' experience; window-dresser, etc. Fletcher, Black Horse Yard, Whitby.

DISENGAGED; qualified; 30; experienced all branches; reliable and trustworthy; unmarried. "Iridin," 96 Highgate Road, London, N.W.

MANAGER; Minor; age 40; married; good experience in all branches, including Photographic. Atherton, Hutton Lodge, Glaisdale, Yorks.

MANAGER, Assistant, or Locum; qualified; 32; good varied experience; disengaged; provinces preferred. "Salol," Glendale, 40 Worcester Villas, Hove.

BOURNEMOUTH or District.—Qualified seeks temporary part-time or take charge few days weekly; disengaged. "Chemist," 26 Belle Vue Road, Southbourne.

JUNIOR; Stock or Counter; 6½ years' experience; energetic and willing; excellent references; age 22; disengaged. A. Godfree, 52 Beresford Street, Camberwell, S.E.

LADY Dispenser, qualified, bookkeeper, 4 years' experience, usual surgery routine, desires post with Doctor; splendid credentials. "D.," 6 Wrottesley Road, Plumstead, Woolwich.

EXPERIENCED Assistant, competent, smart salesman, disengaged, seeks a berth where tact and knowledge of the business will be appreciated. "Unqualified," 82 Sydney Road, Hornsey, N.

COMPETENT, unqualified Assistant; 29; single; excellent experience; capable Dispenser and salesman; smart window-dresser; first-class references. "Claremont," 63 Stephens Road, Tunbridge Wells.

DISENGAGED; competent, unqualified Assistant desires situation; pushing salesman, with general all-round experience; temporary, but permanency preferred. "F.," 3 Topsfield Parade, Crouch End, N.

CAPABLE, trustworthy, and conscientious Assistant (25), in Leeds, Liverpool, or Manchester districts; 9 years' experience; good-class Dispensing, Counter, Photographic. "Student," Inkerman House, Ripponden, Halifax.

DISPENSER, experienced, desires appointment with Doctor; good bookkeeper; excellent references; total abstainer; age 32; salary 2 guineas (outdoors); permanency desired, but would entertain Locum. "A. T. W.," 28 Argyll Road, Westcliff-on-Sea.

MANAGER; temporary or permanent; qualified; abstainer and non-smoker; middle-aged, with wide experience; satisfactory references; near London or South preferred. Please state hours and salary given, "Chemist," 3 Beaumont Terrace, Branksome, Bournemouth.

JUNIOR or Assistant; 22; tall; good references. C/o Morton's, King Street, Carmarthen.

JUNIOR or Improver in good-class business. Particulars, E. Fisher, 53 King Street, Cambridge.

MANAGER, Senior, or Locum; qualified; 31; disengaged; best references. Manning, Fairford, Glos.

JUNIOR; 20; Manchester or district. Particulars from Roberts, 147 Chapman Street, Gorton, Manchester.

EXPERIENCED Assistant; 27; tall; disengaged; permanency. Haigh, Helme Leigh, Meltham, Huddersfield.

COMPETENT Assistant; 25; highest references; disengaged; trustworthy. 37 St. Mary's Road, Walthamstow.

DISPENSER (lady); qualified; doctor or institution; Dispenser "R. F.," 15 St. Julian's Road, Brondesbury, N.W.

DISENGAGED; Dispenser, Photography, Counter, window; unqualified; 30. "Extractor," 22 Osborne Street, Colchester.

UNQUALIFIED; London Store experience; disengaged; Extractor. "Locum," 146 Philip Street, Newcastle-on-Tyne.

UNQUALIFIED; 22; 5 ft. 9 in.; 5½ years' experience; good Dispenser, Counterman. "Salol," 12 Egerton Street, Liverpool.

QUALIFIED; 25; tall; abstainer; disengaged; experienced; excellent references. Lloyd, 20 Elm Street, Ferndale, Glamorganshire.

JUNIOR; 21; height 5¾ ft.; disengaged next Wednesday; Photography; outdoors preferred. "Salol" (250/23), Office of this Paper.

NOTTINGHAM or Leicester.—Assistant requires situation; qualified; good references. Whitehouse, 2 Gill Street, Nottingham.

JUNIOR; 20; just out of apprenticeship; West of England preferred; indoors; moderate salary. Searle, 17 Leigham Street, Plymouth.

26; married; competent and reliable; disengaged end of October; unqualified; excellent references. 250/28, Office of this Paper.

QUALIFIED; 27; 12 years' West-end and country experience; good Dispenser; excellent references. "H. S.," Queensthorpe, Cosham, Hants.

UNQUALIFIED; age 48; Mixed Wholesale and Retail, Drugs, Drysalters, etc.; quick, reliable; good salesman. "Extract," 21 Lynton Road, Bermondsey, S.E.

UNQUALIFIED; 25; 10 years' Photo, Dispensing, and Store experience; 4 years in present berth; outdoors. "P.," 71 Triangle, Bath.

QUALIFIED, no shop experience, desires situation in all-round business; moderate salary; Lancs or Yorks preferred. "M.P.S.," 141 Oxford Road, Burnley, Lancs.

ASSISTANT; 36; competent, energetic; Dispensing, Counter, and Photography; good references; unqualified. "Statim," c/o J. Gibbs, Sourhall, Todmorden, Lancs.

JUNIOR; Dispensing, Photographic; good all-round experience; 9 years last situation; West Riding preferred; height 5 ft .11 in. "Rhei," 32 Nursery Street, Birkby, Huddersfield.

ASSISTANT; unqualified; 23; tall; 7 years' good all-round experience (16 months London); disengaged November 2. Lewis, c/o Wilde, Pharmacist, Brompton Road, S.W.

MANAGER of large Stores requires similar situation; Major qualification; married; good experience; highest references; good salary expected. "Apex," 4 Elliott Street, Liverpool.

ASSISTANT (30), unqualified, seeks permanency in Birmingham or Midlands; undeniable references; Extractor; London and Provincial experience. "Radix" (250/29), Office of this Paper.

MANAGER or Senior; qualified; 39; good all-round experience, Photography, Prescribing, Extracting, etc.; Lancashire, Yorkshire preferred. "Pharmacist," 13 Ruskin Avenue, Hightown, Manchester.

WHITE, Chemist, Earl Shilton, Leicestershire, can highly recommend Junior; unqualified; gentlemanly appearance and address; quick and accurate; Photographic experience; disengaged. Please give full particulars.

MANAGER, Senior; 39; Major; experienced; good references. "T.," 8 Shirley Road, Bedford Park, W.

ASSISTANT; unqualified; tall; 35; good experience; disengaged. "Statim," 106 High Street, Putney.

QUALIFIED; 26; disengaged; good experience; Extractor. Thomas, 193 Gladstone Road, Barry.

MANAGER, Locum, or Senior; outdoors; disengaged; qualified. "Codex," 32 Redburn Street, Chelsea, S.W.

MANAGER or Senior; 32; qualified; outdoors; disengaged; excellent references. 251/14, Office of this Paper.

MANAGER or Senior, with view to succession preferred; 34; qualified; single. Apply, 248/3, Office of this Paper.

JUNIOR (20) seeks situation; 4 years' apprenticeship; disengaged November; best references. 248/6, Office of this Paper.

10 YEARS' Mixed Country experience; disengaged; unqualified; abstainer. "Clydesdale" (247/39), Office of this Paper.

JUNIOR, energetic, tall, requires permanency; 4 years' experience; Photography. Trinitrini, 12 Station Parade, Harrogate.

MANAGER; qualified; 27; disengaged; City and West-end experience. "Chemicus," 19 Anley Road, West Kensington Park, W.

PART-TIME Student; 22; tall; good-class Dispensing and Retail experience; highest references. Apply, 248/25, Office of this Paper.

MANAGER or Assistant; qualified; good-class London and provincial experience; thoroughly competent. 247/36, Office of this Paper.

STUDENT desires berth near Colleges; time to attend classes and to study; good experience and best references. Replies, 250/40, Office of this Paper.

PERMANENCY required by advertiser; unqualified; 26; married; undeniable references; sound experience; knowledge Photography; Assistant or manage Branch. "Disengaged" (246/27), Office of this Paper.

QUALIFIED (26) desires permanency; outdoors; City and West-end experience; excellent references; London preferred. Wray, 32 Foxley Road, London, S.W.

MANAGER and Buyer for multiple shop company requires similar situation; Major qualification; highest references. Address, 248/8, Office of this Paper.

QUALIFIED; tall, gentlemanly; elderly; excellent all-round experience and references; married; permanency desired; moderate salary. 247/9, Office of this Paper.

DISPENSING or Retail work; experienced; good counterman; had sole charge; thoroughly trustworthy; references; moderate salary. Kemp, 100 Borough Road, S.E.

M.P.S., 27, requires outdoor situation for short time in Retail to gain further experience; near Ealing preferred. Replies, 251/12, Office of this Paper.

COMPETENT Assistant; 35; good all-round experience; unqualified; exceptional references; build up business; not afraid of work; disengaged. 247/16, Office of this Paper.

MANCHESTER Districts; 24; unqualified; 9 years' Dispensing, Counter, Window-dressing, Photography; Prescriber, Extractor; disengaged; reliable references. Lawton, c/o Thresh, Chemist, Buxton.

JUNIOR, experienced Dispenser and Counterman, knowledge of Photography, abstainer, requires position in London Dispensing business; height 5 ft. 9½ in. 248/30, Office of this Paper.

LADY, unqualified, desires post with Doctor or Institution; knowledge of booking; 4½ years' experience with Chemist; Lancashire district preferred. Apply, 247/11, Office of this Paper.

UNQUALIFIED trustworthy Assistant; sober habits; 30; single; all-round experience; Photographer; energetic and good worker; £2 weekly (outdoors); excellent references; disengaged. 247/38, Office of this Paper.

HERBALIST-DRUGGIST; middle-aged; active; abstainer; acquisition for country Storekeeper; 8 years with Gapp's Safe Remedy Co.; moderate salary to live in; good recommendations. 251/7, Office of this Paper.

COMPETENT, reliable man; permanency or Locum; experienced Prescriber, Dispenser; successful salesman; held City, suburban, West-end appointments as Manager of branches; excellent testimonials. Forster, 5 Coleridge Road, Finsbury Park, N.

MANCHESTER, Liverpool, or districts; Senior or Manager; first-class Counterman, Prescriber, Dispenser, Extractor, Photographer, Window; wide experience; energetic; unqualified; disengaged November 17. "References" (250/3), Office of this Paper.

MANAGER or Senior; qualified; 18 years' experience. Davies, 59 Salop Road, Wrexham.

QUALIFIED; 32; good varied experience; Locum work preferred. "P.," Bank View, Llanrwst.

LOCUM; 28; qualified; 12 years' experience and references all branches. T. H. Buswell, Lutterworth.

DISENGAGED; unqualified; several years' experience. R. M. Lelean, 2 Rockville, Hautville, Guernsey.

UNQUALIFIED; 30; disengaged; good references. Weale, 7 Worcester Street West, Bryumawr, Breconshire.

MANAGER; experienced; increase Branch; succession; easy terms. Address, "Reliable," 62 Saltoun Road, Brixton.

QUALIFIED; middle-aged; experienced; highest references. "Pharmacist," School House, Beaumont Street, Huddersfield.

DISPENSER; thoroughly experienced; permanency desired; highest references. "Reliable," 31 Glisson Road, Cambridge.

QUALIFIED; 23; good Dispensing experience; Counter, Photography; good references; outdoors. Brown, 22 Hart Road, Dorking.

QUALIFIED; 28; tall; Dispensing experience; good references; Rochdale district or Manchester. "Minor," 107 Entwistle Road, Rochdale.

MANAGER, Senior, or Locum; disengaged; married; 36; abstainer; excellent references. "Chemicus," 2 Warwick Mansions, Putney, S.W.

QUALIFIED; 23; Counter, Dispensing; good-class London and provincial experience; best references; outdoors. "Menthol," 6 East Parade, Colne.

QUALIFIED; age 23; quick; Counter and Dispensing experience; good references; Photography, Optics; disengaged November 1. 190/62, Office of this Paper.

PERMANENCY by qualified man (40) with good all-round London and provincial experience; highest references. "Energy," 28 Marnock Road, Crofton Park, S.E.

ASSISTANT in quick Cash or Mixed country business; 5 years last situation; splendid references; age 29; disengaged. Scott, 24 Florence Road, Masbro', Rotherham.

QUALIFIED Manager; 29; married; tall; abstainer; competent; thorough knowledge all branches; not live on premises; excellent references. 247/17, Office of this Paper.

QUALIFIED Manager; temporary or permanent; full all-round experience; highest references; disengaged October 19. "B.," c/o Messrs. Woolley, Sons & Co., Ltd., Manchester.

ASSISTANT; 25; tall; 10 years' good experience, Dispensing, Photographic, and Counter; excellent references; disengaged November 1. H. Dickinson, 45 Alpe Street, Ipswich.

UNQUALIFIED; 32; single; 16 years' good all-round experience, Mixed country, Dispensing, Photographic, Prescribing; moderate salary. "G.," 292 Dallow Street, Burton-on-Trent.

DISENGAGED; 24; City, West-end, and Store experience; Prescriber, Dispenser, Photographic, Window-dresser; highest references; good Salesman; outdoors. Garry, 9 Tulse Hill, Brixton.

WE recommend our Manager, qualified and F.S.M.C., for high-class Pharmacy; been our valued servant for past 6 years. Full particulars on application to "McB." (250/36), Office of this Paper.

COMPETENT, unqualified (26), good Dispensing and Counter experience, desires permanency, where energy and general business tact would be appreciated. "Physic," c/o F. Holloway, Chalford, Westbury, Wilts.

MARRIED, unqualified, (26) desires permanency; sound and reliable in ability with undeniable references; capable of taking charge or Management of Branch; knowledge Photography. "Statim" (246/72), Office of this Paper.

YOUNG GERMAN Druggist, 5 years' experience, speaks English, excellent references, seeks employment; willing and trustworthy. "E.," 96 Gough Street, Burdett Road, E., London.

MANAGER; London; outdoors; Major qualification; tall; thoroughly experienced in Dispensing, Photography, General Retail, and Light Wholesale. "A.," 11 Norton Folgate, Bishopsgate, N.E.

SITUATIONS WANTED (*continued*).

JUNIOR; 21; over 3½ years' first-class experience. Ferris, 33 Ulysses Road, N.W.

JUNIOR or Improver; good Dispenser; excellent references; London preferred. 249/13, Office of this Paper.

LOCUM; qualified; Optics and Photography; excellent references. "Chemist," 109 Fentiman Road, Clapham, S.W.

DISPENSER (young man) requires evening engagement (after 6); experienced; E. district. 251/31, Office of this Paper.

MANAGER; qualified; young; first-class experience; disengaged. "Chemist," 41 Shaw Road, South Shore, Blackpool.

ADVERTISER thoroughly well up and fitted to increase business; highly recommended. "B. C.," 90 London Road, S.E.

BRANCH Manager or Assistant; qualified; 30; good all-round experience; Prescribing, Photography. 250/1, Office of this Paper.

IMPROVER (indoors); Prelim. passed; excellent reference; experience Dispensing, Retail, Photographic; moderate salary. 251/27, Office of this Paper.

QUALIFIED Assistant; exceptional experience; Dispensing, Retail, and Photographic; good references. "Pharmacist" (249/23), Office of this Paper.

DISENGAGED November 6; good Dispensing experience; excellent references; permanency desired. A. W. Eaton, 3 St. Thomas's Square, Ryde, I.O.W.

ASSISTANT or Manager; 12 years Manager leading Lancashire Drug-stores; unqualified; married; Photography, Optics. "M." (248/39), Office of this Paper.

PERMANENCY, Part-time, or Locum; 12 years'; unqualified; Manager; disengaged; work up Branch. "Extractor," 42 Parkhurst Road, Romford Road, Manor Park.

AS Assistant or Manager; 30; qualified; abstainer; 8 years' London experience; quick, thoroughly reliable, and not afraid of work. Robinson, 2 Holland House, Holland Road, Willesden.

MANAGER; qualified; outdoors; West-end and City experience; smart Counterman and Dispenser; disengaged; highest references. "Phenol," 13 Clarendon Gardens, Maida Vale, W.

WHOLESALE.

WET Counter or Laboratory student; 23; experienced. "Methyl," 38 Camberwell Road, S.E.

TABLET-MAKER requires situation; 6 years' experience. Dickerson, 48 Gloucester Road, Peckham.

TRAVELLER working Midlands wishes to Represent a Drug-house on commission. 247/3, Office of this Paper.

REPRESENTATIVE; Specialities, Drugs or Sundries; well known on ground. "Nemo," 71 City Road, Bristol.

PORTER, Warehouseman, Stockkeeper; 8 years last two situations; Midlands preferred. Brassington, 57 Leonards Terrace, Neath.

TRAVELLER with established connection North or South; sole Representative or commission. "Rep." (251/2), Office of this Paper.

LEEDS.—Unqualified, first-class experience in all branches of Retail, desires appointment with Wholesale house in Leeds. "F.," 172 Woodhouse Lane, Leeds.

TRAVELLER (experienced), Drugs, Chemicals, Soluble and Fruit Essences, desires engagement. Address, "M.," 2 Orchard Terrace, George Lane, South Woodford, Essex.

WAREHOUSEMAN; 27; used to Druggists' Sundries, making up and despatching orders, also with knowledge of packing Export Perfumeries. 243/7, Office of this Paper.

LADY requires responsible post; 10 years' experience, Wholesale and Retail; good references; energetic; last 4½ years in Wholesale London firm; disengaged. "L. E.," 46 Pembury Road, Tottenham, N.

TRAVELLER; smart, energetic, reliable; Drugs, Sundries, Specialities; 12 years' connection; 5 years with present firm; salary and expenses; highest references. "Pentagram" (234/33), Office of this Paper.

PRINTER'S Manager seeks engagement with Wholesale House doing own printing; Labels, Lists, Cartons, etc.; organiser and disciplinarian; practical in all branches; good references. "Label," 76 Shacklewell Lane, Dalston, London, N.

YOUNG man (23), experienced in the Wholesale Drug-trade of Germany, requires situation; speaks English and German fluently, French fairly; highest references and credentials. Address, "A. W.," 88 Queen's Road, Finsbury Park, N.

LABORATORY Manager or responsible position; practical experience in Manufacture of all Galenicals. G. Pinchbeck, Sunnyside, Lower Seedley Road, Seedley Park, Manchester.

YOUNG man seeks situation; any provincial town; age 24; Wholesale or Retail, to be generally useful; 8 years' experience, best London Wholesale house. "A. F. G.," 217 Seymour Street, Euston Road, London, N.W.

REPRESENTATIVE, gentleman, good appearance, large experience and connection with Chemists and Doctors, wishes to Represent Wholesale house. Apply, full particulars, "Dexter" (251/33), Office of this Paper.

PHARMACEUTICAL Chemist, with extensive connection in Scotland, Ireland, and North of England, is open for engagement; commission or otherwise; thorough knowledge of Drug and Photographic trade. "Cocaine" (246/2), Office of this Paper.

REPRESENTATIVE, or Office, Showroom, or Agencies, part or whole time, undertaken by advertiser, who has had valuable experience in all branches of Drugs, Sundries, etc., etc.; small salary or travelling expenses and commission; has large influence; excellent references in every respect. Address, "Success" (250/24), Office of this Paper.

MISCELLANEOUS.

MCADAM & TUCKNISS, Sharedealers, 30 Tranquil Vale, Blackheath, S.E. Telephone 81A Lee Green.
SHARES FOR SALE (free of commission, subject).—20 Apollinaris Ordy., 68*s*. 9*d*. x.d.; 10 Allen & Hanburys "B" 6 per cent. Prefs., 24*s*. x.d.; 25 Benger's Prefs., £6 2*s*.; 20 Brunner Mond, £5 8*s*. 9*d*.; 100 J. Knight Ordy., 25*s*. 7½*d*.; 100 Sanitas, 22*s*. 3*d*.
WANTED (subject).—20 Evans Lescher Prefs., £5 1*s*. 3*d*. x.d.
List of shares for sale and wanted sent free on application. Bankers, London County and Westminster. Established 1898.

WE HAVE WHAT YOU REQUIRE, Drug Fittings, Counters, Wall-cases, Dispensing-screens, Perfume-cases, etc., in almost all sizes; second-hand; condition first-class; prices reasonable. Write for sketches and details giving approximate sizes, or call and inspect. RUDDUCK & CO., 262 OLD STREET, E.C.

TO APPRENTICES, JUNIORS, ETC.—If you wish to pass the Preliminary quickly and with little trouble, write to Mr. Charles Harker, who will coach you by post; thorough systematic teaching; numerous successes in 3 and 6 months; special attention given to those of neglected education; 85 per cent. recent successes; terms very moderate. Charles Harker, 239 Chapter Road, Cricklewood, London, N.W.

SYNTHETIC Perfumes.—Technical Maker of Perfumes, with practical experience, is prepared to provide processes of manufacture at cheap rates. Offers under the style of "Lucrative" (208/5), Office of this Paper.

Dose Tables for Students of Pharmacy.

A TWENTY-FOUR page booklet showing the adult doses in ordinary cases of the principal medicinal agents, with metric equivalents for dispensing and a complete table of atomic weights, comprising the B.P. figures, and the International Committee's latest pronouncements (O=16 and H=1). The booklet measures 4 in. by 2½ in., and can be carried in the vest pocket. To be obtained from THE CHEMIST AND DRUGGIST (Book Department), 42 Cannon Street, London, E.C., for THREE PENNY STAMPS PER COPY, POST FREE.

POISONS SCHEDULE, *according to the New Act*, reprinted from THE CHEMIST AND DRUGGIST, with a supplementary list of admixtures, preparations, and other articles brought within the Schedule. On a card (Schedule in front, list at the back) to hang up; price 6*d*., post free, from the Office of the *C. & D.*, 42 Cannon Street, London, E.C.; or at the published price (4*d*.) from the leading Wholesale houses.

1,000 SECOND-HAND and shop-soiled bargains in Wall-cases, Drug-fittings, Counter-cases, Counters, Dispensing-screens, Perfume Cases, etc., which must be cleared at once; 6-ft. wall-case, £7 10*s*., 8-ft. ditto £10 10*s*., 10-ft. ditto £13 5*s*.; 6-ft. screen £4, 6-ft. ditto £5 5*s*., 7-ft. ditto £6 10*s*.; 12-ft. drug-fitting £9, 10-ft. ditto £8; 12-ft. serving-counter £8 10*s*., 10-ft. ditto £7 12*s*. 6*d*.; perfume-case 30*s*. Call or write, PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.

WHILST YOU WAIT.

Businesses increased whilst you wait, and the waiting is not long either, varying from three weeks to three months, before you shall shake hands with yourself and wonder why you did not take up sooner my brainy, refined Pharmacist ideas.

I may be Slack by name, but I shan't be Slack in Increasing your Business. I ask you for the 18th time to send for my Free Booklet. References positively *ad lib.*

BERNARD SLACK,
Princes Chambers,
WOLVERHAMPTON.

WILL THE BUDGET PASS THE LORDS?

That is what many people are asking. The Country wants more money, and the same applies to Pharmacists. The question is "how to get it?" The answer is in my Booklet "How to Increase Your Business," which explains my business pulling system, showing how it is possible to increase the sales of your own specialities (not other people's). In addition, the special scheme for Christmas is drawn up, which will be further developed for spring, summer and autumn. New ideas for Specialities, formulæ for the same, refined and attractive window displays; special artistic scheme for Christmas and follow up, are my specialities, worked out by a Pharmacist for Pharmacists. Booklet, &c., post free on application; only one Pharmacist in a town supplied.

J. R. B. ALLISON, Pharmacist & Business Specialist, RETFORD

GUMMED PRICE TICKETS

1/3

Crimson ground, white figures. Stocked in all usual prices up to 21/-, each price handed separately in hundreds.
The Midget, 9d. per 1,000
The Magnum, 1/6 ,, assorted 10 prices.
Full illustrated list of Blanks for use with these tickets free on application.

10D

DUDLEY & Co., Ticket Writers & Printers, Holloway, London

EXCHANGE COLUMN: BARGAINS

FOR DISPOSAL.

APPARATUS.

WATER-ANALYSIS case (B. W. & Co.); nearly new: 20*s.* "Manager," Leckhampton Pharmacy, Cheltenham.

BAKER'S No. 3 mixing and sifting machine, extra sieve and drawer; 5-grain pill-machine (makes 18); both good condition. Highest offer, Deacon, Chemist, Bridgwater.

DENTAL.

GAS cylinders for sale, 6 to 40 ft., guaranteed order; what offers? Gale, Chemist, Gateshead.

DENTAL showcases, brass plates, tablets, Massey's Diatoricas; odd teeth, 3*s.* hundred; 28 pairs of forceps, 2*s.* 6*d.* and 3*s.* 6*d.* Gilbert, Stretton Lodge, Putney.

FORMULÆ.

FORMULA for sale; brewers' finings. France, 42 Vartry Road, London, N.

RELIABLE money-making formulæ with 25 years' record. Following make useful, profitable and seasonable preparations: "Maltussine," excellent all-round cough-syrup, very pleasant taste, rapidly efficacious; "Vigorade," phosphated fruit syrup, for warming winter drinks, inexpensive and exhilarating, resembles zoedone; "Vir-ung," general family ointment, cures eczema and all skin troubles, soothing and healing; "Floral Cream," lovely inseparable white emollient, non-sticky, entirely absorbed, an elegant beauty adjunct, very profitable; "Circassian Stimulant," gives new life to old hair, a certain hair-grower, non-greasy, nothing better or more reliable on market; "Ferfosco," nerve and brain tonic, for both sexes, contains hypophosphites and damiana, well tried and proved, small doses; "Cherryfoam," an ideal saponaceous liquid dentifrice, delicious odour, very persistent taste. Recipes 2*s.* 6*d.* each, 5 for 10*s.*, with full instructions and particulars. Samples 6*d.* each, all post free. Twenty-five labels free with above last six. Tom Brooks, Chemist, Hornsey, London, N.

OPTICAL AND PHOTOGRAPHIC.

LANTERN-SLIDES for sale, second-hand, slipping effect; about 300 plain and 300 coloured; suitable for hiring out; what offers? Gale, Chemist, Gateshead.

PROPRIETARY ARTICLES.

QUIBELL'S dip; unopened, surplus stock; paste, cake, and powder; about 500 lbs.; what offers? Ritchie, Chemist, Montrose.

FOR sale, 2 11*s.* Figuroids, 3 1*s.* Mellin's food, 1 1*s.* 6*d.* Benger's food, 2 1-pint Fleur de Cumin, 1 doz. 2*s.* 9*d.* "Eugol" dentifrice (powder), 1 doz. 2*s.* 6*d.* "Eugol" liquid dentifrice; all clean. Offers, lot or separate, Knowles, Dentist, Derby.

SHARES.

SHARES for Sale. See p. 66.

SHOP FITTINGS.

DOORWAY showcase with plate-glass shelves; also bent counter-case. Offers, Crouch, 47 Gresham Street, E.C.

NEST drawers, mahogany fronted; glass knobs and labels, lockers under, shelving over; 12 ft.; very cheap. Jessop, 1 North Road, Wolverhampton.

TWO O'Brien check-tills; new this year; ticket printing and coin exhibiting; cost over ten guineas each, with large quantity of rolls. 249/34 Office of this Paper.

MAHOGANY dispensing-counter (Maw's 2720), oval mirror, £5 10*s.*; 2 outside showcases, 30*s.*; three-tier plate-glass stand (2464), 35*s.*; 5 doz. shoprounds, 6*d.* Callam, Chemist, East Dulwich.

MISCELLANEOUS.

WHAT offers for 20 gross 8-oz. clean dispensing bottles? Allen, Biggleswade.

HOMŒOPATHIC cases, purple shouldered; ½ and 1 oz.; few gross for disposal. Sample from Phillips, Chemist, Wolverhampton.

TYPEWRITER, No. 7 Blickensherfer, in excellent condition, complete with case; also 1 pair French scales (2 lb.). 1 pair dispensing-scales, and a Limousin cachet-machine and 3,500 cachets. "Senrab," 227 Knightsbridge, S.W.

WANTED.

CWT. glycerin. Send lowest quotations to David George, Chemist, Pentre, Glam.

DISARTICULATED skull; also half set bones. Quote price, Watt, Dentist, West Hartlepool.

OLD blue and white china drug-pots, syrup-jars, pill-slabs, etc. 245/23, Office of this Paper.

OZONIA; 1*s.* size. State quantity and price, Bolton, Chemist, 1 Sussex Place, South Kensington, S.W.

SECOND-HAND optical test-case wanted. State price and full particulars to 249/31, Office of this Paper.

PUMP dental-chair or modern iron frame; must be cheap. Particulars to Smith, 8 The Promenade, Palmer's Green, N.

RECESS shoprounds, mahogany-faced counter, bent glass and upright counter cases. Milne, Chemist, Trinity, Edinburgh.

MINOR, Major, Chemists' books.—Send prepaid for valuation; cash offers per return. Gower, Bookseller, Waterloo, Liverpool.

HERMINE specialities (Hermann's); information wanted, where obtainable, wholesale. Address, "Chemico" (243/8), Office of this Paper.

AT once, an articulated human skeleton; in good condition. State lowest price delivered, and size. Don & Stewart, C.A., 9 Tally Street, Dundee.

SMALL outside specimen dental showcase for cash or exchange for 30*s.*; Hedley's inhaler for ethyl chloride, nearly new. Gerring, Chemist, New Romney.

DENTAL operating pump-chair, oil or air, secondhand, or Morrison's chair; will entertain any other dental accessories. Apply, 197/64, Office of this Paper.

GOOD-CLASS mahogany and plate-glass counter, about 16 ft., dispensing counter and screen to match, about 8 ft. "I. O'F.," 34 Lower Beechwood Avenue, Ranelagh, Dublin.

SPONGE-CASE, 4 to 6 wire draw-out divisions, glass top, sides and front and glass doors at front; about 3 ft. high, 4 ft. long, and 3 ft. wide. Apply, Cater, Stoffell & Fortt, Ltd., Bath.

ADDRESSES WANTED.

WILL any chemist kindly oblige with the address of "Francis John Crispin," chemist's assistant? Widgery, Weston-super-Mare.

FIRM of Exporters wish to get in touch with proprietors of "Kanola." Can anyone supply the name and address? 245/39, Office of this Paper.

Coming Events.

Saturday, October 16.

Brewers' Exhibition, Royal Agricultural Hall, London, N., opens and remains open till October 22.

Tuesday, October 19.

Bradford Chemists' Association, Rawson Hotel, John Street, at 9 P.M. Mr. E. T. Neathercoat on "Business Topics."

Wednesday, October 20.

National Union of Assistant Pharmacists, Liverpool Branch, Avondale Café, Church Street, at 7.15 P.M. Whist-drive. Tickets (2*s.* each) from Mr. J. J. B. Waldron, 427 Mill Street.

Royal Microscopical Society, 20 Hanover Square, London, W., at 8 P.M. Mr. F. Chapman on "The Microscopical Structure of an Inoceramus Limestone in the Queensland Cretaceous Rocks."

Western Pharmacists' Association, Frascati's Restaurant, Oxford Street, London, W., at 8.30 P.M. Professor J. Norman Collie, F.R.S., F.R.G.S., will give a lantern-lecture on the Canadian Rockies. Members are requested, if they can conveniently do so, to let Mr. C. T. Allen, Hon. Secretary, 20 High Road, Kilburn, N.W., know by postcard if they expect to be present, so that an approximate idea may be formed of the accommodation required.

Portsmouth Pharmacists' Association, County Club, Kent Road, at 8 P.M. Dinner, at which Mr. W. S. Glyn-Jones will be present. Tickets (5*s.* each) from Mr. T. O. Barlow, 2 Palmerston Road, Southsea.

Bournemouth Pharmaceutical Association, Gervis Hall Restaurant, at 7 P.M. Annual dinner. Tickets (5*s.* each) from Mr. W. A. Bingham (Hon. Secretary), 58 Charminster Road.

Thursday, October 21.

North Staffordshire Chemists' Association, Roebuck Hotel, Stoke, at 7 P.M. Annual meeting and election of officers.

Chemical Society, Burlington House, London, W., at 8.30 P.M. Mendeléeff Memorial Lecture, by Professor W. A. Tilden, D.Sc., F.R.S. The following papers will be communicated: "Carthamine—Preliminary Note," by Messrs. T. Kametaka and A. G. Perkin; "Estimation of Small Quantities of Ferrous Iron by Potassium Permanganate in the Presence of Hydrogen Chloride," by Mr. J. A. N. Friend; "Solubility of Bismuth Trisulphide in Alkali Sulphides, and of Bismuth Trioxide in Alkali Hydroxides," by Mr. J. Knox; "Substituted Amides of Tartaric Acid," by Miss K. M. Jackson and Mr. H. A. D. Neville; "A Volumetric Process for the Estimation of Tungsten," by Mr. E. Knecht and Miss E. Hibbert; "Volumetric Determination of Mercury and the Determination of Silver in Presence of Mercury," by Mr. J. Knox; "Some Mercury Derivatives of Camphor," by Messrs. J. E. Marsh and R. F. Struthers; "Optically Active Substances containing no Asymmetric Atom: 1-methylcyclohexylidene-4-acetic acid," by Dr. W. H. Perkin, Mr. W. J. Pope, and Mr. O. Wallach; "Isoquinoline Derivatives—Part III.: Oxidation of Substituted 1-benzyltetrahydroisoquinolines," by Mr. F. L. Pyman.

Liverpool Chemists' Association, Royal Institution, Colquitt Street, at 8 P.M. Meeting, at which the altered rules will be submitted for adoption.

The Liverpool Chemists' Association and the Birkenhead and Wirral Chemists' Association will hold a smoking-concert at the "Bear's Paw," Lord Street, Liverpool, on October 28. Tickets (1*s.* each) from Mr. C. V. C. Last, Royal Institution.

The Week's Poisonings.

Thirteen fatalities, including five misadventures, have been reported during the week.—At Wakefield, Albert Coy (22), who was of intemperate habits, took prussic acid with suicidal intent.—The same poison was taken by James H. Barton (50), a Newcastle watchmaker.—Potassium cyanide was the poison taken by Lily Ann Herring, of Nottingham, with fatal results.—Mrs. Josephine Till (Dublin) died in consequence of taking tablets containing mercury perchloride in mistake for iron tablets.—Ada Fisher (17), Warrington, ended her life by taking carbolic acid.—Richard Gill (53), painter, who was found in an empty house at Penge, died, according to medical testimony, from corrosive poisoning. Traces of oxalic acid were found in a spirit flask near the dead body.—At Stratford, a waiter named Thomas Young (52) died from the effects of laudanum poisoning taken through misadventure.—A Southsea clerk named Edgar J. Humphries (38) died from the effects of a double dose of veronal tablets. He forgot that he had taken a first dose.—The Sandown Coroner held an inquest regarding the death of Matilda Pool (54) from the effects of veronal cachets. Deceased admitted to her medical adviser of taking the drug in 20-grain doses for insomnia. She had frequently threatened to commit suicide. The jury found a verdict of suicide during temporary insanity, and added a rider to be forwarded to the Home Office urging the inclusion of veronal in the Poison Schedules.—Stephen Lillywhite (69), Broadwater, died from the effects of taking some corrosive fluid in mistake for beer. Deceased found the bottle from which he took the fatal drink hidden in a coal cellar, and, although labelled "Southdown stout," it contained a solution used for cleaning gravestones. Mr. E. S. Jordon, chemist and druggist, said a rough analysis showed that the contents of the beer-bottle were a syrupy solution of crude potash. The inquiry was adjourned for further analysis.—Ammonia was the agent with which Harry Foster (32), Sheffield, committed suicide.—A four-year-old boy named Richard S. Cutts, of Sheffield, took a drink of paraffin from a bottle lying on the kitchen floor: he died.—An unemployed South Hackney jeweller named Albert E. Organ (47) committed suicide by taking a poison.

Agri-Horticultural Poisons.

Notices of Application

for licences under Section 2 of the Poisons and Pharmacy Act have been lodged with the local authorities named.

Subscribers and others would oblige us by sending information with reference to applications. Copies of newspapers containing the advertisements of applicants would also be esteemed.

Ashby-de-la-Zouch.—J. & E. Ison & Son, Ltd., ironmongers.

Northumberland.—R. Yielder & Co., grocers, Stamfordham.

Yorkshire.—Matthew Sedgwick, farmer, The Hylands, Sedbergh.

Consideration of Applications.

Dublin.—A recommendation of the Public Health Committee of Dublin on this subject came before a meeting of the Corporation on October 11, when the whole matter was postponed for a month. Pandemonium ruled again during the meeting, but Alderman McWalter prevented an attempt to rush through the applications.

Applications Granted.

Kincardine.—The County Council on October 7 granted the applications of Messrs. W. Smith, Crathes, and Mr. Alex. Burness, Strachan.

Kingston-on-Thames.—Wallace Gregory Craig, nurseryman, Monzie House, Camberley.

Application Refused.

Richmond-on-Thames.—The Town Council on October 12 received the report of the General Purposes Committee regarding the application of Mr. T. L. Russell, of the Richmond Nurseries. The committee report against the application on the ground that the local requirements were already satisfied.—In reply to a question as to the reason for the recommendation it was stated that the applicant did not appear before the committee, as he did not think it necessary, but had agreed to attend at the next meeting, when the matter, it was hoped, "would be put right."—The report was adopted.

Fees Fixed.

Bradford.—Renewal, 1*s.* 6*d.*

Interesting Items.

During the discussion at the special meeting of the Ipswich Town Council, which resulted in the refusal of two applications (*C. & D.*, October 9, Col. Supp.), Mr. Sizer said seedsmen would not dispense poisons in the same way as chemists' assistants; they would sell them in sealed packets.—The Mayor, in answer to a question, said he saw nothing which made it compulsory for the licensed individual to alone sell, but there was with regard to chemists. A list of 240 towns in which licences have been issued had been distributed to the councillors prior to the meeting.

An Unusual Case of Poisoning is reported from Otley, Yorks. Apparently some dandelion-tea was made from a quantity of the herb containing some belladonna-root, and a café proprietress and her two daughters, who drank some of the infusion, became seriously ill, showing symptoms of belladonna-poisoning.

Printed for the Proprietors by Spottiswoode & Co. Ltd., New-street Square, and published by the Proprietors at 42 Cannon Street, in the City of London.—*October* 16, 1909.

SPECIAL OFFER TO CHEMISTS to enable them to

secure a share of the rapidly increasing demand for

PINOZA Cigarettes, Cigars, Tobacco & Snuff,

which is at present chiefly supplied by Tobacconists.

AROMA OF TOBACCO UNCHANGED. MANY OLD SMOKERS PREFER **PINOZA.**

Marvellous for Colds, Asthma, Influenza, Hoarseness, Catarrh.

ALSO PINOZA VOICE LOZENGES.

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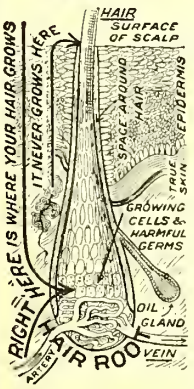
ON P.A.T.A. LIST.

CAPSULOIDS

FOR FALLING OUT or PREMATURELY GREY

HAIR



LOOK AT THIS PICTURE OF A GROWING HAIR GREATLY MAGNIFIED and note that all growth takes place only from the very bottom of the root, and not at the surface of the scalp. You see the root contains those harmful germs which multiply, soften the root, rob the hair of its colour, make the hair fall out, and finally destroy the root altogether. CAPSULOIDS are dissolved in the stomach and pass into the blood. They destroy the germs, nourish the roots, and cause healthy, vigorous growth of the hair, and the only remedy that will do this is CAPSULOIDS.

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Sturge, John & E.
Tyrer, T., & Co., Ltd.
Wright, Layman & Umney

ELASTIC HOSIERY
Ayrton, Saunders & Co., Ltd.
Berliner, Arthur
Burge, Warren & Ridgley, Ltd.
Haywood, J. H.
Maw, S., Son & Sons
Wood, Vincent

EMBOSSING
Avery, W. R. F.

EMBROCATIONS
Elliman, Sons & Co.
James, F.

EMERY AND CLOTH
Oakey, J., & Sons, Ltd.

EMULSIONS, COD-LIVER OIL, ETC.
Allen & Hanburys, Ltd.
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
British Drug Houses, Ltd.
Faulding, F. H., & Co.
Harker, Stagg & Morgan, Ltd.
Lorimer & Co., Ltd.
Oldfield, Pattinson & Co.
Parke, Davis & Co.
Scott & Bowne, Ltd.
Tolkien, C., & Co.
Woolley, Jas., Sons & Co.
Woolleys, Ltd.

ENEMAS
Bailey, W. H., & Son
Burge, Warren & Ridgley
Davol Rubber Co.
Hatrick, James L., & Co., Ltd.
Hay, J. B., & Co.
Maw, S., Son & Sons
Toogood, W., Ltd.
Warne, W., & Co., Ltd.

ENTOMOLOGICAL APPARATUS
Watkins & Doncaster

EPSOM SALTS
Howards & Sons, Ltd.

ESSENCES, CONCRETE
Lautier Fils
Murray, O., & Co., Ltd.
Roure-Bertrand fils
Schmoller & Bompard

ESSENCES, SOL. AND FRUIT
Alliance Drug & Chem. Co.
Barnett & Foster
Boake (A.), Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Evans Sons Lescher & Webb
Hay, Wm., Ltd.
Lautier Fils
London Essence Co.
Lorimer & Co., Ltd.
Newball & Mason
Roure-Bertrand fils
Spencer, J., Son & Co.
Stevenson & Howell, Ltd.
Zimmermann, A. & M.

ETHERS
Baiss Bros. & Stevenson, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
White, A., & Sons

EUCALYPTUS OIL
Baiss Bros. & Stevenson, Ltd.
British Drug Houses, Ltd.
Hymans, H., & Co.

EXTRACT OF HERBS
Newball & Mason
Potter & Clarke

EXTRACTS (MEDICINAL)
Allen, Stafford, & Sons, Ltd.
Chemist's Co-operative Wholesale
Hewlett, C. J., & Son
Parke, Davis & Co.
Ransom, W., & Son
(*See also* Wholesale Druggists)

FEEDING BOTTLES
Breffit, E., & Co., Ltd.
Hovenden, R., & Sons, Ltd.
Kilner Bros., Ltd.
Maw, S., Son & Sons
Saugers'
Southall Bros. & Barclay, Ltd.

FILTERS (WATER)
Berkefeld Filter Co., Ltd.

FLESH GLOVES
Sangers'

FLYCATCHERS
Alabastine Co. (British), Ltd.
Deansmere Manfg. Co.
Flykatcho
Ford, Shapland & Co.
Frowein, C.
Kay Bros., Ltd.
Smith, J. H., & Co.
Stroug, Christy
Tunbridge & Wright

FOODS, INFANTS'
Allen & Hanburys, Ltd.
Benger's Food, Ltd.
Frame Food Co., Ltd.
Lofthouse & Saltmer
Natural Food Co., Ltd.
Willows, Francis, B. & T.

FOODS, SPECIAL
Allen & Hanburys, Ltd.
Benger's Food, Ltd.
Brand & Co., Ltd.
Burt, C. J.
Buvo, Ltd.
Callard & Co.
Fairchild Bros. & Foster
Frame Food Co., Ltd.
Hepworth, Walter
Keen, Robinson & Co., Ltd.
Menley & James, Ltd.
Natural Food Co., Ltd.
Virol, Ltd.
Wander, A.

FORMALDEHYDE
Burt, Boulton & Haywood

FRUIT CRYSTALS
Aerators, Ltd.

FRUIT SYRUPS
Idris & Co., Ltd.

FULLER'S EARTH
Mumford, G. S., & Sons

FUMIGATORS
Sanitas Co., Ltd.

GELATIN AND GLUE
Boehm, F., Ltd.

GLASSWARE, CHEMICAL
Zahradnik, Jos.

GLAUBER'S SALT
Bramwell, E., & Son
Howards & Sons, Ltd.

GLYCERIN
Boehm, F., Ltd.
Price's Patent Candle Co.

GLYCEROPHOSPHATES
Pointet & Girard

GOLD PAINT
Judson, D., & Son

GRINDERS
Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.
Willows, Francis B. & T.

GUMS
Fink, F., & Co.

HAIR WAVERS AND CURLERS
Merkham Trading Co., Ltd.

HAIR PREPARATIONS
Capsuloids (1909), Ltd.
Chesebrough Manfg. Co.
Edwards' "Harlene" Co.
Harker, Stagg & Morgan
Herpicide Co.
John Strange Winter
Oatine Co.
Robare's Aureoline
Rowland, A., & Sons
To-Kalon Mnfg. Co., Ltd.
Woolleys, Ltd.

HAT DYES
Whitaker & Co.

HAT RENOVATORS
Christy, T., & Co.

HEATING APPARATUS
Clark, S., & Co.
Gutmann, A. E., & Co.
National Radiator Co., Ltd.
Wright, John, & Co.

HERBS
Carmichael, F. J., & Co.
Potter & Clarke

HOMŒOPATHIC MEDICINES
Ashton & Parsons, Ltd.
Keene & Ashwell, Ltd.
Leath & Ross

HOTELS
Esmond Hotel
Kingsley Hotel
Thackeray Hotel

HOT-WATER BOTTLES
Berliner, Arthur
Burge, Warren & Ridgley
Dunlop Rubber Co., Ltd.
Fulham Pottery & Cheavin Filter Co., Ltd.
Hutchinson Co.
Maw, S., Son & Sons
May, Roberts & Co.
Southall Bros. & Barclay
Tompkins, James, Ltd.
Wood, Vincent

HYDROGEN PEROXIDE
May & Baker, Ltd.
Sanitas Co., Ltd.
Tyrer, T., & Co., Ltd.

HYPOPHOSPHITES
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

INHALERS
Christy, T., & Co.
Sangers'

INK
Bewley & Draper, Ltd.
Hickisson, A. B.

INSECTICIDES
Christy, Thos., & Co.
Smith, B. A., & Co.
Tomlinson & Hayward, Ltd.
Vaporite-Strawson Co., Ltd.
Voss, Walter, & Co.
Woolleys, Ltd.

INSECT POWDER
Boehm, F., Ltd.
Smith, B. A., & Co.

IODINE AND IODIDES
Howards & Sons, Ltd.
Morson, T., & Son

ITROSYL
Fletcher, Fletcher & Co.

JARS AND POTS
Boling, Brown & Co.
Breffit, E., & Co., Ltd.
Bush, H. W., & Co., Ltd.
Christy, T., & Co.
Cook, A., & Co.
Johnsen & Jorgensen, Ltd.
Kilner Bros., Ltd.
Lang, Jules, & Son
Maw, S., Son & Sons
Poths, H., & Co.
Reuter, R. J.
Stipendum Stopper Co.
Toogood, W., Ltd.

LACTIC FERMENTS
Allen & Hanburys, Ltd.
Cox, Arthur H., & Co., Ltd.
Davies, Sons & Co.
Martindale, W.
Parke, Davis & Co.
Wilcox, Jozeau & Co.

LAMPS, DISINFECTING
Roberts, Cornford & Co.

LANOLINE
Burroughs Wellcome & Co.
Christy, T., & Co.

LARD
Chemist's Co-operative Wholesale
Ewen, J., & Sons

LIME JUICE AND CORDIAL
Evans Sons Lescher & Webb
Goodall, Backhouse & Co.
Idris & Co., Ltd.

LINSEED, CRUSHED, ETC.
Allen, Stafford, & Sons
Mumford, G. S., & Sons

LINTS
Liverpool Lint Co.
Robinson & Sons, Ltd.
Vernon & Co., Ltd.

LIQUORICE JUICE
Boehm, F., Ltd.
British Drug Houses, Ltd.
Carmichael, F. J., & Co.
Evans, Gray & Hood
Evans Sons Lescher & Webb, Ltd.
Horner & Sons
Jackson, E. E.
Mumford, G. S., & Sons

LIQUORS, CONC., ETC.
Allen, Stafford, & Sons, Ltd.
Fletcher, Fletcher & Co.
Hewlett, C. J., & Son
Robinson, B., & Co.

LITHIA SALTS
British Drug Houses, Ltd.
May & Baker, Ltd.
Merck, E.

LOOFAHS
International Sponge Importers

LOZENGES
Cox, A. H., & Co., Ltd.
Denoual, J., & Co.
Jackson, E. E.
Meggeson & Co., Ltd.
Potter & Clarke
Raimes & Co.
Warrick Bros.

MACHINERY, PHARMACAL
Allen & Hanburys, Ltd.
Bennett, E., & Son Ltd.
Bennett, Sons & Shears, Ltd.
Fecher, M. J.
Gardner, Wm., & Sons, Ltd.
Pindar, J. W., & Co.
Smith, B. A., & Co.
Stokes, F. J., Machine Co.
Thompson & Capper (Stokes)
Wilkinson, S. W., & Co.

MAGNESIA AND ITS SALTS
Henry, T. & W.
Howards & Sons, Ltd.
May & Baker, Ltd.
Washington Chemical Co.

MENTHOL CONES
Bush, H. W., & Co., Ltd.
Maw, S., Son & Sons

MAILING CASES
Estes, E. B., & Sons

MALT EXTRACT AND PREPS
Allen & Hanburys, Ltd.
Blackie, R.
British DiaMalt Co.
Burroughs Wellcome & Co.
Evans Sons Lescher & Webb
Hewlett, C. J., & Son
Lorimer & Co., Ltd.
Oppenheimer, Son & Co., Ltd.
Paine & Co., Ltd.
Southall Bros. & Barclay, Ltd.
Tolkien, C., & Co.
Woolley, Jas., Sons & Co., Ltd.
Wright, Layman & Umney

MARKING INK
Hickisson, A. (Bond's)

MEASURES
Bush, H. W., & Co., Ltd.

MEAT EXTRACTS
Armour & Co., Ltd.
Bovril, Ltd.
Brand & Co., Ltd.
Buvo, Ltd.

MEDICINE CHESTS
Burroughs Wellcome & Co.
Keene & Ashwell, Ltd.
Leath & Ross
Lloyd, T. Howard, & Co.
Parke, Davis & Co.

MERCURIALS
Howards & Sons, Ltd.
May & Baker, Ltd.
Merck, E.
Tyrer, T., & Co., Ltd.

METEOROLOGICAL SETS
Darton, F., & Co.

METHYLATED SPIRIT
Burrough, J., Ltd.
Preston's Liverpool Distillery
Randall & Son, Ltd.

MILK APPARATUS
Zimmermann, C., & Co.

MILK SUGAR
Zimmermann, C., & Co.

MINERAL WATERS AND SALTS
Apollinaris Co., Ltd.
British Drug Houses, Ltd.
Hughes, E. Griffiths
Ingram & Royle, Ltd.
"Rocla" Natural Tonic Co.
Vichy (State Springs)

MOTOR GOGGLES
Darton, F., & Co.

MUSTARD
Keen, Robinson & Co., Ltd.

NAPHTHAS
Burt, Boulton & Haywood

NURSES' WALLETS
Hatrick, James L., & Co., Ltd.

OILS, ESSENTIAL
Allen, Stafford, & Sons, Ltd.
Alliance Drug & Chem. Co.
Boake (A.), Roberts & Co., Ltd.
Boutin, G. L.
Bush, W. J., & Co., Ltd.
Chiris, Antoine
Evans Sons Lescher & Webb, Ltd.
Horner & Sons
Jakson, J., & Co.
Lautier Fils
Lhermine & Cie.
London Essence Co.
Matthew, Jesse
Mühlethaler, Th., Ltd.
Pasquale, S. F. de, & Fratelli
Poppelreuter, W.
Ransom, W., & Son
Roure-Bertrand fils
Sachsse, E., & Co.
Scheller, Emil, & Co.
Schimmel & Co.
Schmoller & Bompard
Spencer, J., Son & Co.
Stevenson & Howell, Ltd.
Todd, A. M., Co.
Wright, Layman & Umney
Zimmermann, A. & M.

OILS, FATTY, ETC.
Allen, Stafford, & Sons, Ltd.
Price's Patent Candle Co.
Smith, B. A., & Co.

OILS, MINERAL
Carmichael, F. J., & Co
Price's Patent Candle Co.

OINTMENTS
Blackie, R.
Chemist's Co-operative Wholesale
Oldfield, Pattinson & Co.

OPTICAL GOODS
Botwright & Grey
Darton, F., & Co.
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Nitsche & Günther
Raphael's, Ltd.

OPTICAL INSTRUCTION
British Optical Institute
ORANGE WINE
Melrose-Drover Co., Ltd.
OTTO OF ROSE
Bontcheff & Kidoff
Pappazoglou, D.
Reitmeyer & Co. (synthetic)
Scheller, Emil & Co.
Seraphimoff, S., & Co.
Shipkoff & Co.
PACKED GOODS
(*See* Wholesale)
PALATINOIDS
Oppenheimer, Son & Co.
PASTILLES
Allen & Hanburys, Ltd.
Asche, C. F., & Co.
Burroughs Wellcome & Co.
Denoual, J., & Co.
Evans Sons Lescher & Webb
Meggeson & Co., Ltd.
Warrick Bros.
PATENT AGENT
Barker, R. W.
PERFUMES
Allen & Hanburys, Ltd.
Barolay & Sons, Ltd.
Breidenbach & Co.
Bronnley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, T., & Co.
Chuit, Naef & Co.
Erasmic Co., Ltd.
Evans Sons Lescher & Webb,Ltd.
Hewlett, C. J., & Son
Hovenden, R., & Sons, Ltd.
Lescol Perfumery Co.
McCracken, J. & R.
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Oatine Co.
Original Antiseptic Pastille Co., Ltd.
Quelch, H. C., & Co.
Southall Bros. & Barolay
Spencer, J., Son & Co.
To-Kalon Mnfg. Co., Ltd.
Warrick Bros.
West, T., & Son
Yardley & Co., Ltd.
PERFUME MATERIALS
Bontcheff & Kidoff
Bush, W. J., & Co., Ltd.
Chiris, Antoine
Compagnie Morana
Lantier Fils
Mühlethaler, Th., Ltd.
Murray, O., & Co., Ltd.
Scheller Emil & Co.
Schimmel & Co.
Shipkoff & Co.
Spencer, J., Son & Co.
Zimmermann, C., & Co.
PESSARIES
Burge, Warren & Ridgley
Rendell, W. J.
PETROLEUM EMULSION
British Drug Houses, Ltd.
PETROLEUM JELLY
Carmichael, F. J., & Co.
Chesebrough Mfg. Co.
PHOTO. CHEMICALS
Boehringer, C. F., & Soehne
Burroughs Wellcome & Co.
Merck, E.
PHOTO. ENLARGERS, PRINTERS, &c.
Express Developing Co.
Halifax Photographic Co.
PHOTO. GOODS
Barclay & Sons, Ltd.
Darton, F., & Co.
Evans Sons Lescher & Webb
Halifax Photographic Co.
Ilford, Ltd.
Lennon, Ltd.
May, Roberts & Co.
Murdoch, John, & Co.
Newbery, F., & Sons, Ltd.
PILL MAKERS
Allen & Hanburys, Ltd.
Asche, C. F., & Co.
Bishop, Alfred, Ltd.
British Drug Houses, Ltd.
Cox, A. H., & Co. Ltd.
Davies Sons & Co.
Evans Sons Lescher & Webb,Ltd.
Hewlett, C. J., & Son
Howards & Sons, Ltd.
Lloyd, T. Howard, & Co.
McKesson & Robbins
Parke, Davis & Co.
Standard Tablet & Pill Co.
Wand Mfg. Co.
Woolley, J., Sons & Co., Ltd.

PLASTERS
Allcock Mnfg. Co.
Berliner, Arthur
Beiersdorf, P., & Co.
Dalmas, A. de St., & Co.
Leslies, Ltd.
Maw, S., Son & Sons
Solport Bros.
PLASTIC MODELS
Plastic Advertisement Co.
POLISHES (VARIOUS)
Bradley & Bourdas
Judson, Daniel, & Son
Oakey, J., & Son, Ltd.
POSTERS
Ford, Shapland & Co.
PRINTERS
Avery, W. R. F.
Dudley & Co.
Ford, Shapland & Co.
Harrison & Waide
Parkes, John, & Co.
Smith, W. H., & Son
Townsend, J., & Sons
PROPRIETARY ARTICLES
American Drug Stores
Anglo-American Drug Co.
Anglo-American Pharm. Co., Ltd
Ashton & Parsons, Ltd.
Atkinson & Barker
Barclay & Sons, Ltd.
Battle, Son & Maltby
Beecham, T.
Beiersdorf, P., & Co.
Box, W. H.
British Drug Houses, Ltd.
Burgess, E.
Capsuloids (1909), Ltd.
Christy, T., & Co.
Coleman & Co., Ltd.
Congreve, G. T.
Conoid Co.
Cox, A. H., & Co., Ltd.
Curry, Henry
Daggett & Ramsdell
Daisy, Ltd.
Danysz Virus, Ltd.
Da Silva & Co.
Davenport, J. T., Ltd.
Day & Sons (Crewe), Ltd.
Day, Son & Hewitt
Denoual, J., & Co.
Edwards, W., & Son
Elliman, Sons & Co.
Evans Sons Lescher & Webb
Faulding, F. H., & Co.
Fellows' Syrup
Fennings, Alfred
Ferris & Co.
Fulford, C. E., Ltd.
Goodall, Backhouse & Co.
Grapelax, Ltd.
Gutmann's Successors
Guy's Tonic Co.
Henry, T. & W.
Himrods Asthma Cure
Hovenden, R., & Sons, Ltd.
Hughes, E. Griffiths
Ichthyol Co.
International Chemical Co.
Iron-Ox Rem. Co., Ltd.
Kay Bros., Ltd.
Keen, Robinson & Co., Ltd.
Kutnow, S., & Co., Ltd.
Lalor's, Dr., Phosphodyne
Lambert Pharmacal Co.
Lofthouse & Saltmer
Lorimer & Co., Ltd.
May, Roberts & Co.
Menley & James, Ltd.
Newbery, F., & Sons, Ltd.
Oatine Co.
Odol Chemical Works
Owbridge, W. T., Ltd.
Pedezy Co.
Phillips, Chas. H., Chem. Co.
Resinol Chemical Co.
Sangers'
Schimmel & Co.
Scott & Bowne, Ltd.
Smith, Maurice
Squire & Sons
Standard Tablet & Pill Co.
Stedman's Teething Powders
Thermogene Co., Ltd.
Thompson & Capper
United Chemists' Association.
Voss & Co.
Wilcox, Jozeau & Co.
Wulfing, A., & Co.
Zotos, Ltd.
(*See also* Dentifrices and Toilet Articles)
PULVELLÆ
Warrick Bros.
PULVERETTES
Oppenheimer, Son & Co., Ltd.
PUMPS
Berkefeld Filter Co., Ltd.

QUININE AND SALTS
Boehringer, C. F., & Soehne
Carmichael, F. J., & Co.
Howards & Sons, Ltd.
Pointet & Girard
RAPE OILS
Hull Oil Mnfg. Co.
RAZORS
Auto-Strop Safety Razor Co.
Gillette Safety Razor, Ltd.
Hovenden, R., & Sons, Ltd.
RENNET
Fullwood, R. J., & Bland
Oldfield, Pattinson & Co.
RESINS AND RESINOIDS
Allen, S., & Sons, Ltd.
Allen & Hanburys, Ltd.
Morson, T., & Son
Ransom, W., & Son
Smith, T. H., Ltd.
RESPIRATORS
Zimmer & Co.
RUBBER GOODS
Burge, Warren & Ridgley, Ltd.
Davol Rubber Co.
Dunlop Rubber Co., Ltd.
Evans Sons Lescher & Webb,Ltd.
Fecher, M. J.
Galen Mfg. Co.
Hatrick, James L., & Co., Ltd.
Haywood, J. H.
Hovenden, R., & Sons, Ltd.
Hutchinson Co.
Maw, S., Son & Sons
May, Roberts & Co.
Wanklyn, H. A.
Warne, W., & Co., Ltd.
SACCHARIN
Saccharin Corporation, Ltd.
SALICIN
Macfarlan, J. F., & Co.
Smith, T. & H., Ltd.
SAMPLE CASES
Keane, Thomas
SANTONIN
Smith, B. A., & Co.
SAPONIN
Field, C. W.
Sthamer, Dr. R.
SAUCES
Goodall, Backhouse & Co.
SCALE PREPARATIONS
Morson, T., & Son
SCALES, WEIGHING
Parnall & Sons, Ltd.
SCIENTIFIC APPARATUS
Reynolds & Branson, Ltd.
SEA SALT
Tidman & Son, Ltd.
SEA-SICKNESS REMEDY
Zotos, Ltd.
SELTZOGENES
Aerators, Ltd.
SERUMS AND ANTITOXINS
Allen & Hanburys, Ltd.
Evans Sons Lescher & Webb
Parke, Davis & Co.
Schimmel & Co.
Wilcox, Jozeau & Co.
SHEEP-DIPS
Burt, Boulton & Haywood
Sanitas Co., Ltd.
Tomlinson & Hayward, Ltd.
SHOP-FITTING
Ayrton-Graham, Ltd.
Bowling Son
Congdon & Son
Evans Sons Lescher & Webb,Ltd.
Josephs, P., & Son
Maw, S., Son & Sons
Mills, H.
Parnall & Sons, Ltd.
Rudduck & Co.
Sangers'
Southall Bros. & Barclay, Ltd.
SOAPS
Allen & Hanburys, Ltd.
Armour & Co., Ltd.
Breidenbach & Co.
Bronnley, H., & Co., Ltd.
Chesebrough Mfg. Co.
Cook, E., & Co., Ltd.
Erasmic Co., Ltd.
Gillette Safety Razor, Ltd.
Hull Oil Mfg. Co., Ltd.
Lescol Perfumery Co.
Oakey, J., & Son., Ltd.
Oatine Co.
Pears, A. & F., Ltd.
Price's Patent Candle Co.
Shaw, Henry, & Co.
Wright, Layman & Umney
SOAPS, MEDICATED
Armour & Co., Ltd.
Bronnley, H., & Co., Ltd.
Calvert, F. C., & Co.
Lambert Pharmacal Co.
Resinol Chemical Co.
Wright, Layman & Umney

SHARES
McAdam & Tuckniss
SOAP MATERIALS
Armour & Co., Ltd.
Chiris, Antoine
SOCKS
Davis, J. M., & Sons
SODA FOUNTAINS
British Automatic Aerators, Ltd.
SODIUM BICARBONATE
Brunner, Mond & Co., Ltd.
Howards & Sons, Ltd.
Mumford, G. S.
SOIL INSECTICIDE.
Vaporite-Strawson Co., Ltd.
SOOTHERS
Chemists' Sundries, Ltd.
SOYA OIL
Hull Oil Mnfg. Co.
SPARKLETS
Aerators, Ltd.
SPECTACLES
Botwright & Grey
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Günther
Raphael's, Ltd.
SPHYGMOMETERS
Hicks, J. J.
SPIRIT OF WINE
Burrough, J., Ltd.
Preston's Liverpool Distillery
SPITTING-FLASKS
Maw, S., Son & Sons
SPONGE BAGS
Maw, S., Son & Sons
Schutze, F., & Co.
Toogood, W., Ltd.
SPONGE STANDS
Wanklyn, H. A.
SPONGES
Interntl. Sponge Importers
Kent, G. B., & Sons, Ltd.
Maw, S., Son & Sons
Sangers'
SPONGES, RUBBER
Wanklyn, H. A.
SPONGIO-PILINE
Whitehead, R. R., & Bros.
SPRAYS
Burge, Warren & Ridgley, Ltd.
Cook, Alfred, & Co.
Davol Rubber Co.
Hovenden, R., & Sons, Ltd.
Maw, S., Son & Sons
May, Roberts & Co.
Parke, Davis & Co.
Reuter, R. J.
STAIN REMOVERS
Hammond Mnfg. Co.
STARCH
Mumford, G. S., & Sons
STILLS, ESSENTIAL OIL
Bennett, Sons, & Shears, Ltd.
STOPPERS
Fletcher, Fletcher & Co.
Stipendum Stopper Co.
SUPPOSITORIES
Cox, Arthur H., & Co.
SURGICAL APPLIANCES
Allen & Hanburys, Ltd.
Bailey, W. H., & Son
Burroughs Wellcome & Co.
Hatrick, James L., & Co., Ltd.
Haywood J. & H., Ltd.
Hutchinson Co.
Maw, S., Son & Sons
Quelch, H. C., & Co.
Reynolds & Branson, Ltd.
Stuart Plaster Pad Co.
Wood, Vincent
Warne, W., & Co., Ltd.
SURGICAL DRESSINGS
Beiersdorf, P., & Co.
Berliner, Arthur
Burroughs Wellcome & Co.
Bush, H. W., & Co., Ltd.
Dalmas, A. de St., & Co.
Galen Mfg. Co., Ltd.
Gimber, W., & Son
Gutmann's Successors
Hatrick, James L., & Co., Ltd.
Haynes, G., & Co.
Kokke, W. A.
Leslies, Ltd.
Liverpool Lint Co.
Macfarlan, J. F., & Co.
Maw, S., Son & Sons
Newsome, C.
Robinson & Sons, Ltd.
Southall Bros. & Barclay
Thermogene Co., Ltd.
Vernon & Co., Ltd.
Wood, Vincent
Woolley, J., Sons & Co., Ltd.
SWIMMING FLOATS
Schutze, F., & Co.

SYNTHETIC PERFUMES
Boehringer, C. F., & Soehne
Bush, W. J., & Co., Ltd.
Chnit, Naef & Co.
Compagnie Morana
Murray, O., & Co., Ltd.
Reitmeyer & Co.

SYNTHETIC REMEDIES
Boehringer, C. F., & Soehne
Boehringer, C. F., Sohn
Hoffmann-La Roche, Ltd.
Reitmeyer & Co.

SYPHONS,
Aerators, Ltd.
Barnett & Foster
Breffit, E., & Co., Ltd.
Camwal, Ltd.
Idris & Co., Ltd.

SYRINGE CASES
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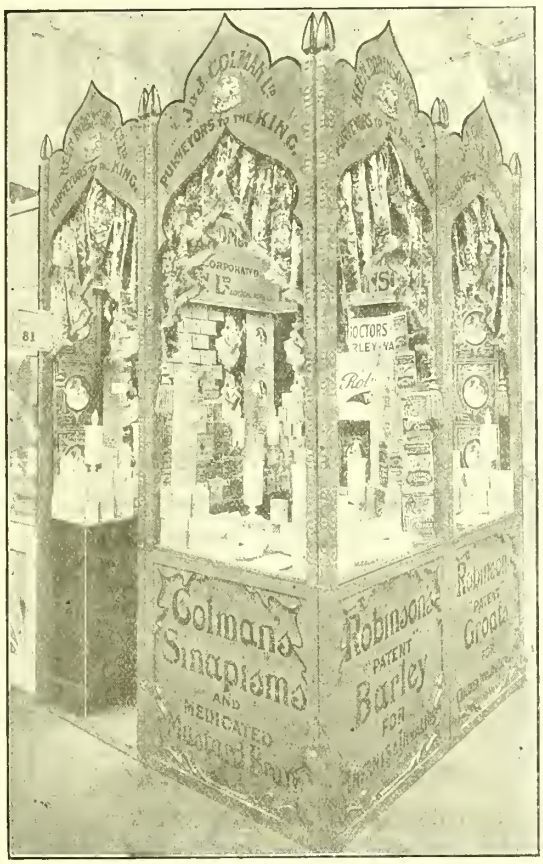

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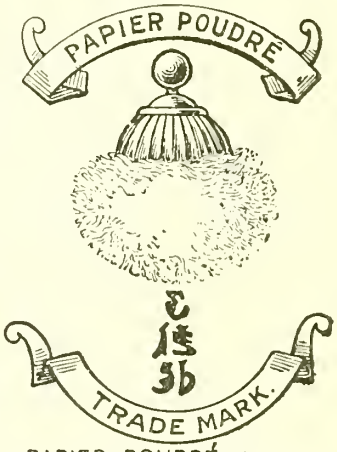

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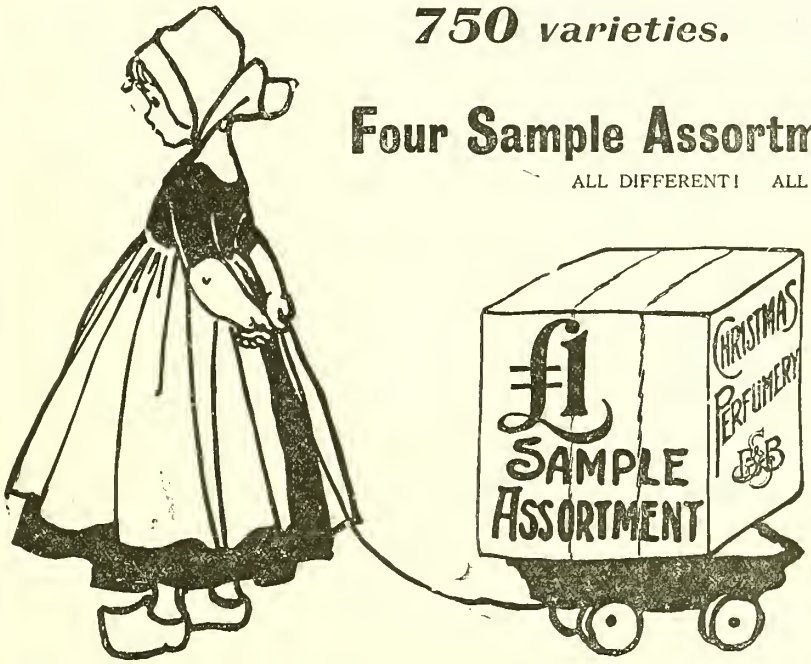

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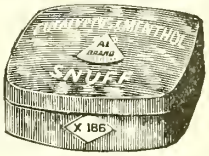

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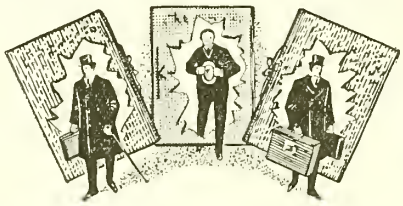

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EXAMINATION RESULTS. Session 1909. PASSES 46.

JANUARY EXAMINATIONS.	Passes		9
APRIL	,,	,,	18
JULY	,,	,,	11
OCTOBER	,,	,,	8
			46

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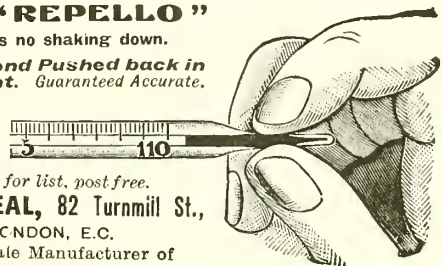

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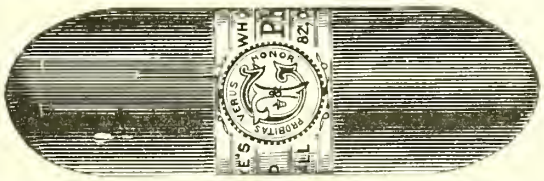

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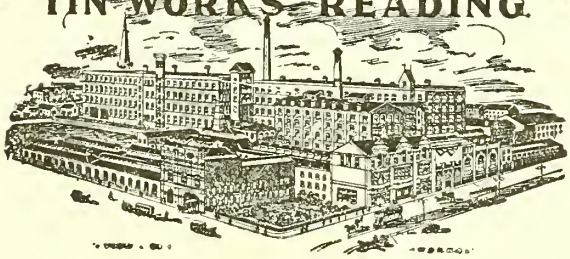

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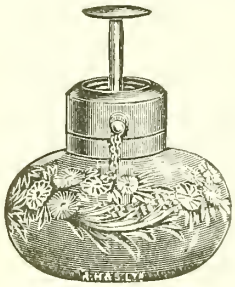

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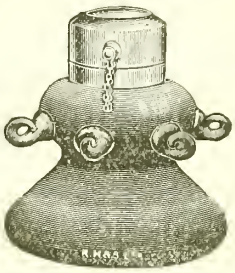

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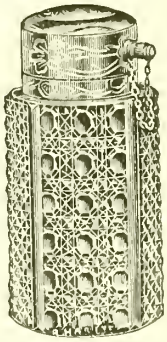

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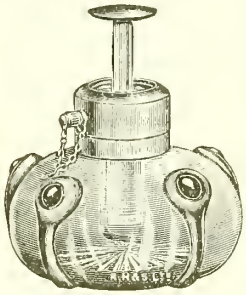

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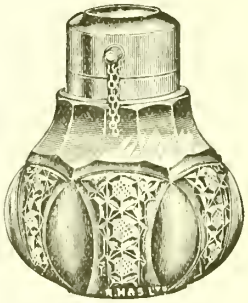

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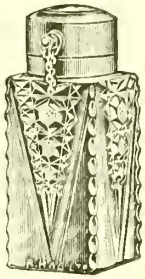

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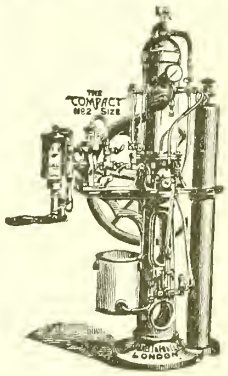

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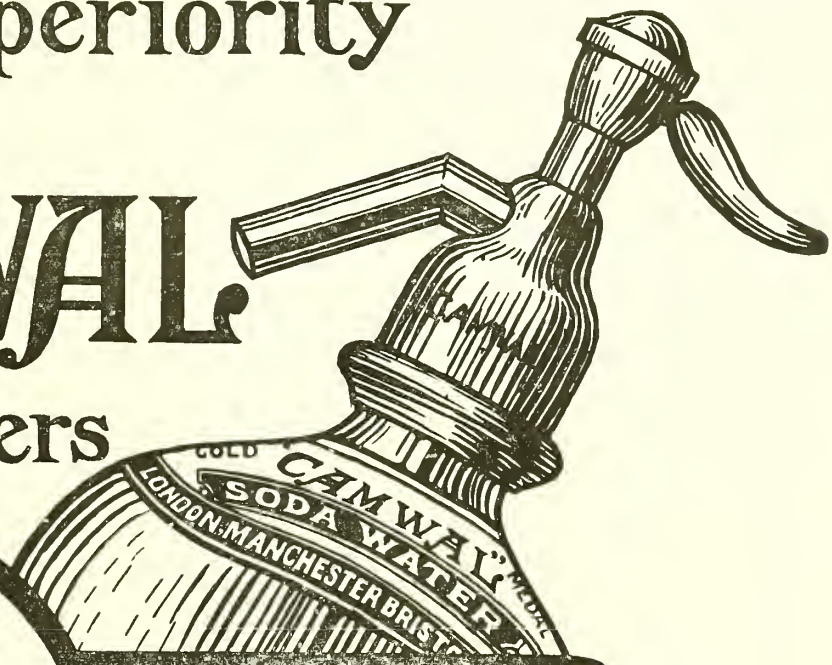

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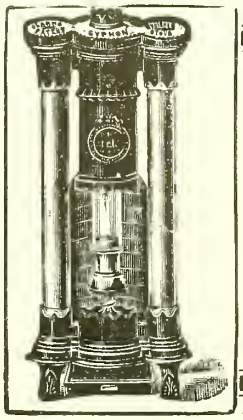

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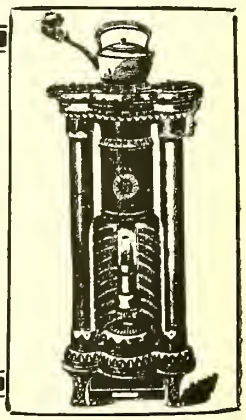

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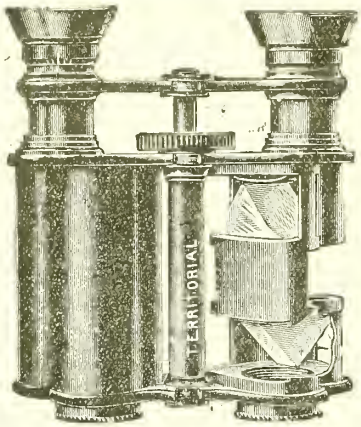

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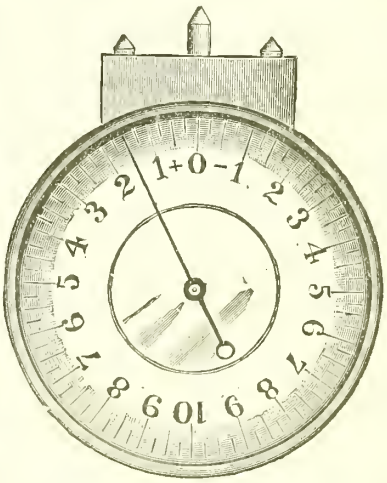

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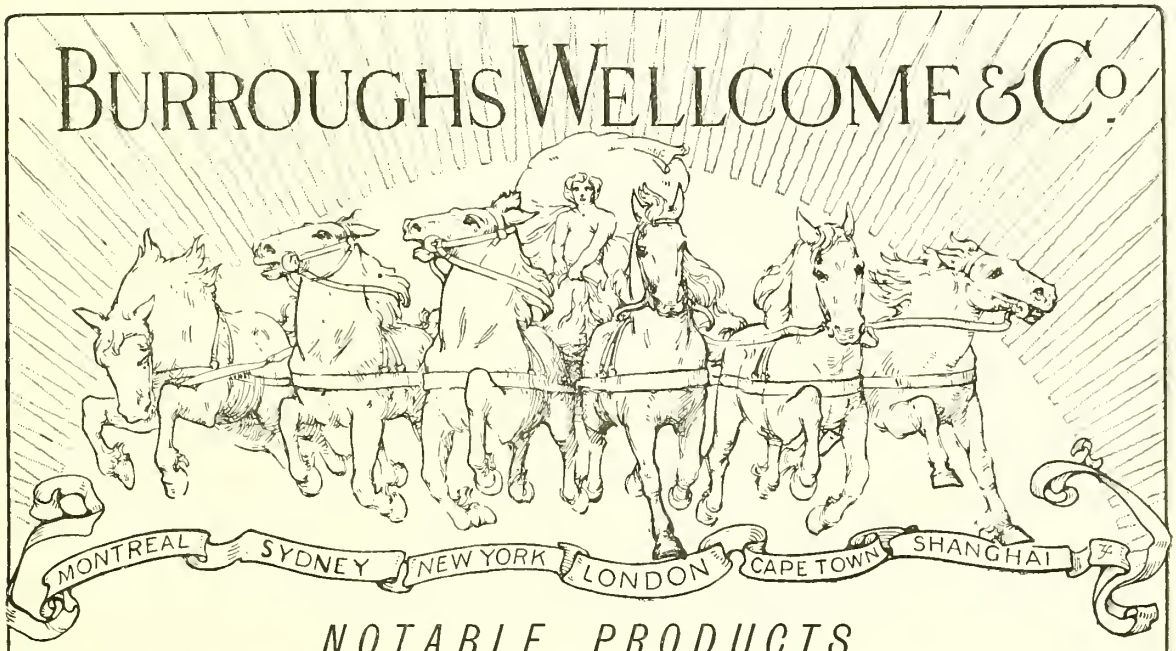

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THE IMPORTANCE OF ILLUSTRATIONS.

THE EYE OF THE READER is caught and held more completely by a picture than by anything else. Sagacious advertisers endeavour, therefore, to illustrate their announcements as strikingly as possible. In a popular advertising medium like THE CHEMISTS' AND DRUGGISTS' DIARY well-executed illustrations have always been a feature. Good pictures pay because they present exactly to the reader the thing advertised. The postcard competitions in connection with the DIARY advertisements prove this beyond question. Therefore illustrate your announcements whenever possible. If the goods cannot be illustrated adequately, use good type with plenty of white space. The Publisher will help you in all these things if you let him know your requirements for the 1910 DIARY by an early post. We make a point of getting the DIARY delivered to buyers overseas so that they may bring it into use for business purposes by New Year's Day, and this means early closing for press. Hence the importance of giving instructions for space as soon as possible to The Publisher, 42 Cannon Street, London, E.C.

Summary of the Week.

Articles and Communications.

The Board of Trade returns for September again show increases in exports and imports. The chemical trade (including pharmaceuticals) is remarkably good (p. 609).

Mr. C. A. Hill, B.Sc., criticises a Canadian official report on arsenic in drugs, suggesting an extension of the inquiry, and that similar work might be done here (p. 625).

We conclude our observations on the report of commissioners of Inland Revenue with quotations from the chapters on death duties, inhabited-house duty and income-tax (p. 610).

The most recent work in regard to Japanese aconite by Schmidt and his co-workers goes far to corroborate the conclusions of Paul and Kingzett, and clears up a few doubtful points. The papers are summarised in an article on p. 608.

Communications from correspondents include the following topics: Irish Pharmaceutical Assistants, Pharmacy in South Africa, Mr. W. S. Glyn-Jones's Candidature (p. 625); Chemists' Scales, Chemists' Organisation, Esperanto and Ido (p. 626); The Dental Outlook, Red Show-bottle, and Price Problem (p. 627).

"Xrayser" makes a happy suggestion regarding the Pharmaceutical Benevolent Fund—viz., to stop contest in electing annuitants and maintain interest among subscribers by an annual election of members of committee from among them (p. 607). We commend this happy thought to the Pharmaceutical Council (p. 610).

Associations and Societies.

The annual meeting of the Pharmaceutical Society of Ireland was held last week, when Mr. John Smith delivered a presidential address, in which the work of the past year was reviewed. This we print in full. There was no contest for the Council vacancies, and the retiring members were re-elected (p. 617), as also were the retiring officers at the Council-meeting reported on p. 620.

The winter session of chemists' associations has gone ahead with vigour. Six pages in this issue are devoted to reports of about two dozen meetings. The Dublin Drug-trade Association is now complete, Sir Thomas Robinson being the first President. The Sheffield Society has elected Mr. Carr as its President, and North-East Lancs has chosen Alderman Shorrock to succeed Mr. Holt. Severe criticism of the Pharmaceutical Council was indulged in by the members. Some was also uttered at the Midland Pharmaceutical Association annual meeting. Miss May Thorne, M.D., addressed the Women Pharmacists' Association on the power of little things, and Mr. J. W. Douglas submitted a joint proprietary scheme to the London Chemists' Association. The section begins on p. 611.

Legal and Parliamentary.

When Parliament reassembles next week the Home Secretary is to be asked to do something regarding the use of certain dry-shampoos (p. 605).

The Pharmaceutical Society of Great Britain has obtained the conviction of a registered chemist who sold a packet of vermin-killer without his name and address (p. 601).

The makers of the J. B. Williams shaving-stick have appealed against the decision adverse to them in their action against Messrs. Bronnley and a Bournemouth chemist for imitations of the "get-up" of their soap. The appeal was dismissed, with costs (p. 599).

News.

The Minor examination results in Edinburgh are given on p. 599.

Newcastle chemists are square as regards their B.P.C. accounts (p. 594).

The charge arising from the carbon-tetrachloride dry-shampoo fatality has been withdrawn (p. 595).

The Petroleum Committee met again this week, and we give a summary of evidence by Mr. W. J. Leonard (p. 594).

Trade Matters.

Business is still moderate in volume. Opium is going higher, and it is expected that the alkaloids will also. Tartrates are cheaper; but senega is dearer, owing to the short supply from the digging grounds. It is easier in New York, however. Peppermint oil shows no sign of weakening (p. 621).

"C. & D. DIARY."

SUBSCRIBERS who desire to have their formulas for known, admitted, and approved remedies published in the C. & D. DIARY, 1910, should send them to the Editor as soon as possible.

English and Welsh News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Brevities.

Messrs. Burroughs Wellcome & Co. have given a donation of fifty guineas to the extension fund of the Livingstone Cottage Hospital at Dartford.

The plans of a new shop-front at the premises of Messrs. Thompson & Walton, chemists, 73 High Street, Maidenhead, have been passed by the Town Council.

The "Daily Sketch" of October 8 published a rather striking portrait of Mr. W. S. Glyn-Jones in connection with his candidature for Parliament.

Mr. John Juleff, pharmacist, has been appointed dispenser to the Camberwell Guardians, in the place of Mr. G. W. Margetts, resigned. [Corrected note.]

Mr. R. T. Simpson, chemist and druggist, North Road, Lancaster, as Hon. Secretary of the Lancaster Photographic Society, has inaugurated a beginners' class which promises to be very successful.

The London County Council have permitted Mr. A. Oldcorn, chemist and druggist, to retain three showcases in front of 1 Piccadilly Circus, London, W., for a further period of twelve months.

The foundation-stone of a factory for extracting radium will be laid at Limehouse on Saturday by Lady Ramsay. The process which will be used in obtaining the radium is one devised by Sir William Ramsay.

The Teddington District Council have made arrangements with the chief inspector of weights and measures in the county to set apart a small out-house at the public offices for the purposes of periodically testing weights and measures.

At Margate the proprietors of ten chemists' establishments announce their intention of closing during October and April on Thursdays at 5 P.M. Also from November to March on Thursdays at 2 P.M. and on other days, except Saturdays, at 8 P.M.

At Ashton-under-Lyne on October 11, two youths named Sidebottom and Fielder were bound over under the First Offenders Act for breaking into the premises of the Thompson Drug Co., 291 Stamford Street, Ashton, early on Sunday morning.

Messrs. Boots, Ltd., Kingston-on-Thames, have informed the local Chamber of Commerce that they are willing to close earlier, providing the chemists in the district observe the same hours. The Secretary of the Chamber is communicating with the chemists on the subject.

A fire broke out in a room over the pharmacy of Mr. L. J. Teiffel, Ph.C., Shields Road, Newcastle-upon-Tyne, in consequence of overheating of a hearth. The flames spread downwards, and considerable damage to fixtures and stock of Mr. Teiffel was caused by fire and water.

The old Dartmoor cross at Manaton, Devon, which disappeared many years ago, has been recently discovered. It has been placed in its original socket under the superintendence of Mr. J. Young, chemist and druggist, Torquay. A photo of the cross and its restorers is given in the "Illustrated Western Weekly News" for October 9.

The charge against Andrew Griffin of administering noxious drugs to a woman, and against Mary Keen and William Slowly for aiding and abetting, was again before the court at Bristol on October 11. The public analyst submitted evidence as to the composition of the pills and capsules submitted to him, and Dr. Coombs gave evidence at great length regarding the use of quinine. The prisoners were committed for trial.

At Bangor on October 6 the dwelling-house, shop, and premises known as "Ye Old Citie Pharmacie," at 241 High Street, having a frontage of about 24 ft. and a depth of 89 ft., the property of Mr. Thomas Webster, chemist and druggist, were offered at public auction. The pharmacy was established nearly a century ago. The bidding started at 900*l.*, and slowly advanced to 1,130*l.*, at which figure the property was knocked down to a buyer acting on behalf of a local draper.

Warning.

A well-dressed individual, with a small moustache, is going round the South London pharmacies ordering large Elliman's Embrocation, Oxo, etc., to be sent to a certain address. His procedure is to meet the messenger and send him back with another order, and in the meantime he disappears. Several chemists have already been victimised. Others should look out for him.

Sale of Food and Drugs Acts.

The City of London analyst (Dr. F. L. Teed) reported on the following samples during the past quarter: Saffron, 4; sal volatile, 3; tincture of iodine, 2; ammoniated tincture of quinine, 2; sweet spirits of nitre, 2; compound tincture of rhubarb, 1; Gregory's powder, 1. All were genuine with the exception of one sample of saffron containing 17 per cent. of barium sulphate. The vendor was fined 5*l.*, with 23*s.* 6*d.* costs.

British Pharmaceutical Conference.

A meeting of the Local Executive of the Newcastle Conference was held on October 6 for the purpose of winding up the business incidental to the recent visit to Newcastle. The accounts showed that income and expenditure had practically balanced each other. The meeting expressed its gratification at the success of the Conference, and very cordially thanked Mr. George Weddell, the Chairman, for his admirable conduct of affairs. Mr. Weddell, in reply, pointed to the excellent organising of the local arrangements by Mr. Clague, to whom the warm thanks of the committee were given. The Assistant Secretary (Mr. Noble) and Mr. Ismay were also thanked for their efficient services.

Lectures on Essential Oils.

At the Borough Polytechnic, London, on October 6, Mr. C. T. Bennett, B.Sc., Ph.C., delivered the first of the series of lectures that he is giving there on Wednesday evenings. The constitutional problems involved in the study of essential oils are, he said, among the most difficult in organic chemistry, and although great strides have been made during the last few decades, there still remains much to be investigated, and in some cases we are quite in the dark as to the actual constituents which give the characteristic odour to certain oils. They are not simple substances, but a highly complex mixture of organic compounds, often ten to twenty in number, some occurring in infinitesimal traces only. The isolation of these odoriferous bodies has been the subject of research by many of the best organic chemists, and efforts are still being made to produce synthetically the products of nature. The function of the essential oils in the plant-economy is not thoroughly understood; in many cases they appear to be only by-products eliminated in the vital processes of the plant. Mr. Bennett then outlined the ground to be covered by the course, and gave a short account of the sources of volatile oils and of the methods of production, the principles of steam-distil-trated Western Weekly News" for October 9.

Petroleum Committee.

The Departmental Committee on Petroleum met at the Home Office on October 12, when evidence was given by Mr. W. Andrew, chief goods manager of the North British Railway; Mr. A. Aslett, secretary and general manager of the Furness Railway; Mr. P. C. Tennant, managing director of the Gas Lighting Improvement Co.; and Mr. W. J. Leonard, of Messrs. Carless, Capel & Leonard, petrol distillers and petroleum refiners. Mr. Leonard, in his evidence, stated that the present method of shipment on deck for coastwise traffic has been proved by experience to be safe. His firm had been shipping spirit for forty years, and during that time had heard of no accident where the goods have been carried on deck. He deprecated any further restrictions being placed upon the export traffic. Since the Regent's Park canal explosion canal companies have refused to carry petroleum spirit, and one of the most important waterways of the country might as well not exist, as far as the trade in petroleum spirit is concerned. Mr. Leonard also considered that the railway companies' conditions are unfair. As regards conveyance by road he thought that road tank-waggons might be constructed to a specification to be recommended by a central authority, but he objected to vehicles of special character as unnecessary for the conveyance of spirit in tins or casks. He did not consider that

safety devices would be of any practical advantage as applied to the ordinary packages for conveyance of spirit, and gave the pressures which resulted from heating spirit. In his opinion it would be risky to allow vessels laden with spirit to come up the river Thames above Thames Haven, and the advantage to a section of the trade would be more than outweighed by the injury to others who had spent capital in developing Thames Haven Wharf.

Birmingham Notes.

It is estimated that the scarlet-fever epidemic has up to the present cost the city 16,000*l.*

Mr. Wm. Adams, chemist, Dudley Road, who is a guardian of the poor, has made an excellent record of attendances at the Board's meetings.

The chemical laboratories of the University at Bournbrook not being ready, and the old ones in Edmund Street having been prematurely disbanded, the authorities are using those of the technical school. There is much heartburning in the matter among both the students and the professorial staff.

Poor-law Medicines.

The Rye (Sussex) Guardians, acting on the recommendation of the medical officer, have decided to substitute Epsom salts for the pills previously supplied to the inmates of the workhouse, and the Master is to report on the matter.

The Penrhyn Deudraeth Guardians have referred the question of expensive medicines back again to the Finance Committee after some discussion. Dr. Jones had called attention to the fluctuations in price of drugs, giving as an instance cod-liver oil, which varied in price from 4*s.* 6*d.* to 7*s.* 6*d.* per gal. The Clerk said the arrangement was that medicines should be supplied by the medical officers at cost-price.

At a meeting of the Faversham Guardians on October 6, the Vice-Chairman (Mr. W. Roper Dixon) pointed out that the medical officer for the Boughton Blean district obtained his drugs in Canterbury. A suggestion that the medical officer be requested to obtain drugs in Faversham if they could be procured at the Canterbury prices was adopted. However, Mr. Faunce de Laune stated that he would propose that the drugs be obtained in London if that mode was cheaper.

Sheffield Notes.

Mr. Campbell Falconer, who has been appointed dispenser at the Jessop Hospital, was not connected with the infirmary of the West Derby Guardians, but with the parish of Liverpool, where he was assistant dispenser at the hospital and dispenser-in-charge of the Southern District.

At the meeting of the City Council on October 13, Councillor Cattell, the Chairman of the Health Committee, complained of the inadequacy of the fines inflicted on offenders against the Sale of Food and Drugs Act. The committee could not help thinking that the cases which came before the Court were not treated with the consideration they deserved, but only as tiresome Corporation cases.

Messrs. Exell Bros., manufacturing pharmacists, 36 and 38 Ellesmere Road, is the latest pharmaceutical enterprise here. Mr. E. C. Exell, chemist and druggist, who has been in the retail business at 38 Ellesmere Road for nearly two years, has now been joined by his brother, Mr. Arthur Exell, chemist and druggist, who has recently returned from Italy, where he has been managing the laboratory of Messrs. Roberts & Co., at Florence. Extensive premises have been acquired adjoining the pharmacy, and the firm are now engaged in the preparation of a comprehensive wholesale list which is to be issued shortly. Mr. Arthur Exell, like his brother, is an old apprentice of Mr. G. T. W. Newsholme, with whom he stayed for eight years. He has since had further extended experience of the wholesale at Dublin and elsewhere prior to going to Italy.

Contracts.

Helston Guardians.—Mr. T. M. Elford, chemist and druggist, Truro, for the supply of drugs.

Horsham Guardians.—Williams & Smith, chemists, Horsham, for the supply of medicines and disinfectants.

Hereford City Council.—Mr. J. Walker, Widemarsh Street, Hereford, appointed druggist to the Infectious Diseases Hospital for six months.

Coventry Guardians.—Mr. H. Welton, chemist and druggist, 4 Bishop Street, Coventry, appointed retail chemist, and Wyleys, Ltd., Coventry, appointed wholesale druggists, for six months.

London County Council.—The expenditure on chemicals during the past financial year at the Barking Outfall Works was 15,602*l.*, as against the estimate of 15,000*l.*, and at Crossness 10,604*l.*, against the estimate of 9,500*l.*

Isle of Thanet Guardians.—For mixtures for the outdoor poor, Mr. A. H. Siminson, chemist and druggist, St. Lawrence, Ramsgate, at 2¾*d.* per bottle, and Mr. J. H. Skitt, chemist and druggist, King Street, Ramsgate, at 3*d.* per bottle.

Metropolitan Asylums Board.—For eight months' supplies to the whole of the M.A.B. institutions: Carbonic Acid Gas Co., Ltd., for carbonic-acid gas. Proprietary articles: Bovril, Ltd. (three items); Lemco and Oxo (two items); Brand & Co., Ltd. (one item); International Plasmon, Ltd. (one item); Civil Service Supply Association (one item).

London County Council.—The following tenders for chemical apparatus have been accepted: J. J. Griffin & Sons, Ltd. (item 211 in schedule), Brown & Son (item 283), Townson & Mercer (item 324). The following contracts for chemical apparatus have been terminated at the request of the contractors: Brown & Son (item 295), A. Favre & Co. (item 120), and Townson & Mercer (item 152).

The Shampoo Fatality.

At the Westminster Police Court on October 11, the prosecution for manslaughter in connection with the "dry shampoo" fatality at Harrod's Stores was withdrawn and the accused (Mr. W. H. Eardley and Miss B. Clarke) discharged (*C. & D.*, October 9, p. 563).—Mr. Bodkin, who defended, said the prosecution was of the nature of a test, and he submitted that, bearing in mind the essentials of the offence of manslaughter, there was no offence against the accused. Messrs. Harrods, when it was ascertained that the use of carbon tetrachloride might involve danger to the health of "curiously constituted" people, discontinued its use immediately, and the purpose of the prosecution had been in one sense attained. Mr. Leycester, for the prosecution, said the result of the proceedings was to establish and make publicly known that carbon tetrachloride is undoubtedly a deadly poison and that Miss Dalrymple did, in fact, die from the effects of its vapour. Until recently the substance had from a medical point of view been little investigated. He, therefore, felt justified in accepting the appeal to withdraw the charges; at the same time stating that it must be clearly understood that any future case of this kind would be prosecuted on very different lines. The Magistrate (Mr. Horace Smith) agreed with this course, and stated that he considered that Miss Clarke was entirely free from blame. No order was made in any way as to costs.

A Fatal Dose of Sweet Nitre.

The Bolton Borough Coroner on October 12 inquired into the death of a three-year-old child to whom twopennyworth of sweet nitre had been administered in gruel in one dose for a tickling cough.—The mother confessed that she did not know how much constituted a dose of sweet nitre.—Dr. Waterston deposed that ½ oz. was too large a dose for a child. The label indicated a dose of a half to one teaspoonful, which was for an adult, but one-fifth of that quantity was sufficient for a child. Four teaspoonfuls was given in the present case, and death was consistent with an overdose. In reply to the Coroner the witness said it would be better if the sole use of sweet nitre were confined to medical men or qualified chemists. A juryman stated that he had often taken twopennyworth of sweet nitre for colds. The doctor replied that twenty times the proper dose had been given in this instance.—The verdict was "Death by misadventure."—The Coroner stated that it was rather a pity that a drug of this kind should be administered without the proper dose being known, showing the danger of drugs being in the hands of incompetent persons.

Higginson's Patent Ointment.

At Burbage, on October 4, an inquest was held relative to the death of a trimmer named Samuel Grimes. James Higginson, hosiery hand, Hinckley, deposed that deceased

came to him at the factory for treatment with his ointment. He told Grimes to see a doctor, as he was evidently suffering from the effects of drink, but he would not have told him to seek medical advice if deceased had not been drinking. The Coroner stated that the directions were that the ointment was to be applied every two hours, avoiding open wounds; but witness said it would do no harm if it got into the wound, but would cause unnecessary pain. The ointment worked by getting into the blood-vessels and clearing the system. After continued questioning, witness said the ointment was composed of "angelic, green baize ointment, marshmallow, and hellebore powder." A juror asked witness if he stated that "he would not care a snap of the fingers for the man's life" if the doctor did not allow his ointment to be used, and if he suggested that deceased would have been alive to-day if he had gone on with his ointment.—Witness: Yes, and I do think so.—Dr. E. Lynn Jenkins deposed that death was due to acute septic blood-poisoning. Rubbing would not be advisable in such a case, but he did not think death was accelerated by use of the ointment. The Coroner said the case was a remarkable one. Mr. Higginson would be in a serious position if medical evidence had not shown that the ointment did not accelerate death. A printed circular regarding the ointment was headed "Why die from blood-poisoning?" He was not satisfied that the inquiry should be concluded, and adjourned the case for analysis of the ointment.—At the resumption of the inquest on October 11, Mr. Lewis Ough, Ph.C., deposed that the package labelled "Higginson's Patent Ointment" was found to contain metallic mercury and a vegetable powder possessing the characteristics of powdered hellebore, made into an ointment with lard and bayberry oil. Angelica and marshmallow may have been present, but he could not detect them. Dr. Jenkins (recalled) said from Mr. Ough's evidence the ointment would have a harmless effect on the general health; the effect of hellebore in an open wound would be irritating, but the ointment was devoid of mischief except through the rubbing. Metallic mercury in an ointment would be neither "good nor bad." The jury returned a verdict of death from septic pneumonia following upon blood-poisoning, and exonerated Higginson from all blame, but suggested that the terms of the pamphlet should be modified.

Irish News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Brevities.

The Cootehill Guardians have received a report from Sir Charles Cameron on the drugs supplied for use in the workhouse. In two instances the drugs were defective. It was agreed to draw the contractor's attention to the report.

A man named Jas. Redmond called at the shop of Mr. T. M. Shannon, druggist, Rathfriland, co. Down, and asked Mr. Shannon to prescribe for him. He was advised to go to a doctor, and a few minutes after leaving the shop fell down dead from heart-disease.

An Old Business Change.

The following advertisement appeared in the "Freeman's Journal" of October 11, 1809:

NOTICE.

Michael Dease O'Reilly, apothecary and druggist, begs leave to inform his numerous friends and the public that he has removed from No. 92 to No. 1 Bride Street, adjoining Warburgh Street, where he is well assorted with every article in his line of business, carefully chosen. As he is determined to devote his time entirely to his business, and charge moderately, he hopes for a continuance of that kind support which he has so long experienced. He assures his medical friends that their prescriptions shall be compounded with accuracy and fidelity.

He will have a fresh supply of his Specific Ointment, long celebrated for the scab of sheep, ready prepared against the 1st of October next, of which he begs permission to apprize the graziers throughout Ireland.

AN APPRENTICE WANTED.—A lad of good morals and connexion, properly qualified, will be taken with a moderate fee. No. 1 Bride Street, Dublin, September 1809.

Personal.

Mr. Samuel Carson, druggist, 41 Albert Bridge Road, Belfast, has decided to give up the drug-business and confine himself to his dental work.

Mr. J. P. Allen, pharmaceutical chemist, is relinquishing business at 67 Talbot Street, Dublin. The pharmacy is to let, and the stock is being sold off.

Mr. D. W. Elliott, pharmaceutical chemist, Shaftesbury Square, Belfast, has been appointed one of a committee of four to represent Windsor Ward in connection with a scheme for forming a Unionist Association in Belfast.

Sheep-dipping Regulations.

The new Irish sheep-dipping regulations, which are of interest by reason of recent legislation, are not meeting with a hearty welcome from the farmers. Magistrates all over the country are imposing very nominal penalties for infringements of the regulations. At Portglenone (co. Antrim), on October 7, a magistrate declared from the Bench that he never had any sheep die with him until he commenced to dip under the new scheme. Now sheep die every day.

Medicine-contracts.

The Dublin Civil Service Guild, comprising some three thousand members, have appointed the following firms as medicine-contractors, the discounts ranging from 25 to 33⅓ per cent. off list-price for prescriptions, 2*d.* in the shilling off own proprietaries, and patents generally at store prices: Messrs. J. J. Graham & Co., 30 Westmoreland Street; Mr. A. H. Oliphant, 20 Drumcondra Road; Mr. R. Collis, North Circular Road; Mr. G. M. Ryan, 12 Camden Street; Messrs. Boileau & Boyd, Ltd., 46 Mary Street; Mr. T. W. Campion, 1 Commercial Buildings; Mr. G. D. Beggs, Dalkey; Graham's Medical Hall; Mr. W. Jones, 87 Manor Street.

Scots News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Aberdeen and the North.

An addition to the number of drug-shops in Aberdeen is to take place at an early date. The shop is in the "Green" district, not far from the establishment in which the late Mr. Fearnside carried on a most successful business for a number of years. Mr. Fearnside's business is still carried on in the old premises.

The question of bacteriological examinations came before the Peterhead Town Council on October 11. A proposal that the examinations be done in co-operation with Aberdeen at a cost of not more than 17*s.* per 1,000 of population was withdrawn, and a motion adopted to continue giving the work to Mr. J. F. Tocher, B.Sc., F.I.C., pharmaceutical chemist, who was the only local analyst to whom the medical officers would agree to send their samples. The offer is subject to the terms not being higher than those proferred in Aberdeen.

The question of the remuneration to be paid by the County Council to Mr. James Hendrick, B.Sc., F.I.C., came before the Finance Committee last week, and a motion to fix the salary for the appointments under the Sale of Food and Drugs Acts and the Fertilisers and Feeding-stuffs Act at 350*l.* per annum was carried by five votes to three. The amount paid last year was 401*l.* 2*s.* A proposal to terminate the engagement and appoint an analyst who would devote his whole time to the work of the Council was defeated.

Dundee.

The business carried on for some time by Mr. Wm. Falconer at 128 High Street, Lochee, Dundee, not having been disposed of as a going concern, the stock and fittings were offered by auction on October 14.

Edinburgh and District.

Business has revived appreciably during this week, and there are prospects of a better winter's trade than last.

At a meeting of Dalkeith Town Council on October 11, the analyst reported that a sample of tartaric acid had been taken, and that it did not conform to the required standard.

The Edinburgh Pharmacy Golf Club played the final round of the T. & H. Smith trophy over the Braids course on October 1. The winners were Messrs. W. C. Baker and W. Gibb, Messrs. J. P. Gibb and A. Mallar being runners-up. The Hole and Hole Tournament was won by Mr. W. C. Baker.

It is now stated that the St. Cuthbert's Co-operative Association, Ltd., intend to open two additional chemists' shops. Premises which have been secured in Montrose Terrace, Abbeyhill, will be ready for business in a few weeks. The other, as already noted, is proposed to be situated in the Leith Walk district.

The frequent visits of warships to the Forth greatly assist the merchants of South Queensferry. Until recent years the *Caledonia*, a training-vessel, was anchored outside the burgh, with consequent increase in the sale of chemists' lines. Not a little grumbling ensued when the profitable ship departed, but some compensation is forthcoming in the larger number of men who get shore leave when warships arrive.

Glasgow.

Mr. Mitchell, chemist and druggist, has resigned the managership of Messrs. Simpson & Co., chemists, Gairbraid Street, Maryhill, to take up an appointment in South Africa.

At the last meeting of the University Court a letter was read from two sisters of the late Dr. Robert Pollok, of Laurieston House, Pollokshields, intimating their intention of bequeathing to the University the sum of 10,000*l*. for the foundation of a Lectureship in Materia Medica, to give effect to an expressed desire of their brother. The Court expressed its grateful acknowledgment of the proposed benefaction, and requested the Principal to endeavour to procure an enlarged portrait of Dr. Pollok, to be hung in the Materia Medica Department.

French News.

(From the "C. & D." Paris Correspondent.)

Unrequited Attention.—A pharmacist's assistant, named Jules Mouchon, has been sentenced to four months' imprisonment and 50f. fine, in Paris, as the result of a prosecution by a young lady to whom he had made advances which remained unrequited.

The Flora of France.—The eleventh volume of Mr. Georges Rouy's interesting work on the flora of France was presented by Professor Guignard, on behalf of the author, to the Paris Academy of Sciences at its last meeting. The book was very favourably received, like its predecessors.

Pharmacy Inspectors' Guide.—Professor Guignard, Director of the School of Pharmacy, has just published a book for the use of pharmacy inspectors which is timely. It deals with the new *régime* of inspection, and fills a gap in French pharmaceutical literature, combining for the first time within its covers details drawn from various and distant sources and edited not only by the recognised official head of the French pharmaceutical profession, but by a competent, methodical, and painstaking authority on such matters.

Anglo-American Doctors.—Under the presidency of Sir Malcolm Morris, K.C.V.O., the annual dinner of the Continental Anglo-American Medical Society was held at the Hôtel du Palais d'Orsay, Paris, on Saturday, October 9. Professor Robin was one of the guests, and among the members present were: Dr. Brock (Rome), Dr. Gubb (Algiers), Dr. Hort (Nice), Dr. Pryce Mitchell (Monte Carlo), Dr. Treves Barber (Geneva), Dr. de Bouchet, Dr. Bull, Dr. Gros, Dr. Kœnig, Dr. Magnin, Dr. L. Robinson, Dr. Vale, and Dr. Jarvis, the Hon. Secretary (all of Paris).

The Traveller in Perfumery.—M. Victor Bonfieu has long been a traveller in the perfumery line, but his last journey was not a success. He married, not long ago, a maiden in her teens, but she quitted him some weeks ago, leaving no address, and he was inconsolable. His pleasure when he found a repentant note, asking him to rejoin her at an address in Cherbourg, may be imagined. He took the first train, but sought in vain throughout the pleasant Norman seaport for any sign of his faithless spouse. After four days' fruitless search, he returned to Paris—to find his flat unfurnished. The letter had been a "blind" to ensure his absence during the time necessary to secure possession of his furniture.

The White Cross Congress.

The second International Congress for the repression of alimentary and pharmaceutical adulteration will, as mentioned in the *C. & D.* last week, be held at Paris next week (October 17 to 24), with its headquarters at the Faculty of Medicine. It has been placed under the patronage of M. Briand, Prime Minister of France, and the Minister of Agriculture and Commerce. The Committee of Honour includes such well-known men as MM. Leon Bourgeois, Mirman, Vallé, and Viger (ex-Ministers); Professors d'Arsonval and Armand Gautier; Dr. Emile Roux, of the Paris Pasteur Institute; Dr. Calmette, of Lille; M. Cazeneuve, Senateur (Chief of the "Pharmaceutical Group" of the French Parliament); and Dr. Gabriel Pouchet, ex-member of the Codex Revision Committee. The Executive Bureau has Dr. Bordas, the well-known Government Analyst, as its Chairman and M. Eugène Roux, head of the newly established laboratories at the Ministry of Agriculture, is Vice-Chairman. Two chemists, also engaged in Government laboratories, M. Bruno (Ministry of Agriculture) and M. Calvet (Ministry of Finance), act as Secretaries, while the General Secretary is M. Ch. Frauche. The President of the Third Section (crude drugs, essential oils, chemicals, and mineral waters) is Professor Guignard, of the Paris Superior School of Pharmacy. The Secretaries of this Section are M. Dumesnil, pharmacist, of Paris; M. J. Dupont, essential-oil and perfumery manufacturer; and M. Goris, a hospital pharmacist. The list of foreign delegates includes many familiar names, such as M. Jonas, of Brussels; Professor Van Ittalie, of The Hague; Professor Morales, of Mexico; and Dr. Ranwez, of Louvain. Austria, Argentina, Brazil, Bulgaria, Denmark, Greece, Hungary, Italy, Japan, Monaco, Roumania, Russia, Spain, Sweden, Switzerland, and Uruguay are all represented, in a few cases by official delegations, but principally by individual adherents. Among the first British members inscribed are Messrs. Loudon M. Douglas (the British Secretary), Otto Hehner (London), Richard Robinson (Westminster), C. Schlienger (Chocolat Ménier), R. M. Leonard (Cold Storage Association), the Agents-General for Victoria, Tasmania, and New South Wales, Messrs. Driver and Giles (Grocers' Federation), Professor William Smith (Royal Institute of Public Health), Dr. R. R. Tatlock (Society of Public Analysts), Dr. Josiah Oldfield (Fruitarian Society), and the Manufacturing Confectioners' Alliance, to which a considerable number of other names have been recently added.

The first Congress was organised at the instance of the Société Universelle de la Croix-Blanche de Genève, and the second meeting has been arranged by the French delegation of last year's gathering, and evidently no trouble has been spared to make it a success.—The Congress will be divided into three principal Sections—namely, (1) Alimentary Technology, (2) Hygiene, and (3) Crude Drugs, Essential Oils and Aromatic Raw Materials, Chemicals, and Mineral Waters. The general work of the third Section in connection with the suggested international standards for drugs, etc., was fully dealt with by Mr. Umney in the *C. & D.* columns last week.—The subject will doubtless raise some interesting international comparisons of standards and discussions on the relative advantages of each, which will be fully resumed in the reports of the Congress.—It should also be called to mind that as a result of last year's Congress an International Consultative Conference was held in Brussels in December last, with the object of bringing about regulations in the manufacture of saccharin and the effective suppression of its use in food. The subject is now in the hands of a permanent international committee. The subjects to be raised by the English delegates, of which notice has been formally given, include chocolate standards and ice purity. M. T. Khouri, of Alexandria (Egypt), will present a paper on natural mineral waters and another in favour of international tests and standardisation of purity of chemicals used in pharmacy. Professor Lavalle, of Buenos Ayres, will contribute some notes on the synthetic colouring-matter used in foods; M. Gossot, a French delegate, will propose a definition for the purity of sulphurous anhydride (SO_2); and M. Bergey a report on liquorice-juice.

Flies as Microbe Carriers.—Professor Nuttall, of the Quick Laboratory, Cambridge, has completed a series of experiments with flies, as a result of which he considers that he has obtained conclusive evidence that flies carry cholera and typhoid fever germs. His results are embodied in a Government paper published this week.

Australasian News.

The fullest information regarding the Australasian drug-trade and pharmacy is given in "The Chemist and Druggist of Australasia," copies of which can be obtained at 6d. each, post free, from the office of "The Chemist and Druggist," 42 Cannon Street, London, E.C.

New South Wales.

Army Medical Reserve.—A circular has been issued by the Pharmaceutical Society of New South Wales stating that commissions are offered to duly qualified and registered members of the pharmaceutical profession willing to enrol, with the honorary rank of lieutenant. Service to be rendered in case of war, in doing duty in the various Government and civil hospitals to which sick and wounded would be sent for treatment, with field forces or garrison troops. Uniform is not required until mobilised. The pay will be such as may be specially laid down. A school of instruction commenced on September 6, lasting five days.

Prescription-prices.—Correspondence on cheap medicine has been going on in the "Sydney Morning Herald" on the statement of Mr. Roper before the Wages Board that a pharmacist dispensing a prescription for 1*s.* 6*d.* used the best drugs just as much as another charging 2*s.* 6*d.* for the same thing. An interesting view of the attitude of friendly societies' dispensaries, and of one section at least of the public, is given in a letter by Mr. John Hardy, J.P. He wrote: "At the friendly societies' dispensaries in the western suburbs of Sydney 22,000 prescriptions were put up during the year at the average cost of 1¾*d.* per scrip. In round figures they would cost 160*l.*; at 1*s.* 6*d.* per scrip they would have cost 1,650*l.*, and at 2*s.* 6*d.* per scrip 2,750*l.*, a difference of 1,490*l.* and 2,590*l.* . . . You may call it socialism or by any other name, but the day is not far distant when the ballot-box will rectify this one-sided state of affairs and protect the public, who are being daily fleeced by Act of Parliament, and force the Government to have some supervision over charges made by the various professions."

Saturday Half-holiday.—The Commission in Sydney has taken evidence from traders of all classes. Pharmacy was represented by Mr. C. J. Carroll, President of the Pharmaceutical Society; Mr. H. D. B. Cox, representing the Northern Sydney Pharmacists' Association and himself; and Mr. R. C. Park, representing the Pharmacists' Assistants' Association of New South Wales. Mr. Carroll opposed the half-holiday unless the Government would prevent sickness and accident to the public during the hours of closing. Pharmacists had the exclusive right to dispense doctors' prescriptions, and the right carried with it the duty to be prepared to dispense them at any hour of the day or night. Loss of life might follow in cases of serious accident or sudden illness if urgent remedies could not be procured.—Mr. H. D. B. Cox opposed the introduction of the universal Saturday half-holiday. He said much hardship would be put upon the humbler housewives who were without domestic help if Saturday was made a compulsory half-holiday.—Mr. Park said his Association was in favour of the Saturday half-holiday because it would set all the employés at liberty on the same afternoon, and those who were free every second Sunday would be off duty once a fortnight from 1 P.M. on Saturday till 8 A.M. on Monday, and could take a change in the country. Further, the half-holiday was necessary if pharmacists are to take part in the work of the Army Medical Corps. He submitted three plans of dealing with urgent work: (1) Each shop to have one employé on duty from 6 P.M.; (2) employers in each municipal district to take it in turn for a week or a month to have a staff after 6 P.M. in one pharmacy, notices to be placed in each pharmacy; (3) employers in each municipal district jointly to establish a pharmacy or dispensary, profits and losses to be shared in proportion to the capital contributed, only urgent work to be attended to.

On the Trail.—Scene: Chemist's Shop. Enter Boy Scout.—Chemist: "Well, my boy, are you scouting to-day? On the trail?"—Boy: "Yes, sir. Let me have threepennyworth of insect-powder!" A fact vouched for by *A. P.* (134/30).

South African News.

(From the "C. & D." Correspondents.)

Cape Colony.

Educational.—The series of lectures recently instituted by Mr. W. Froembling, President of the Pharmaceutical Society of Cape Colony, have proved very successful and evidently fill a long-felt want. The number of students has steadily increased, and several older members of the trade have put in an appearance and thus renewed their acquaintance with the scientific side of the chemist's life. The weekly botanical rambles have become a recognised institution, and if the average chemist were aware of the immense variety and interest of Western Province flora the numbers attending these walks would become much larger. On a recent afternoon a party of four students, within a radius of two hundred yards, collected over a hundred specimens, representing over forty natural orders.

Personal.—Mr. J. Austin-Thomas, chemist, Parow, has returned by the *Persic* from a three-months' holiday and business visit to England.—Mr. Harlow, chemist, Hanover Street, Cape Town, has also returned to the Cape after an English trip.—Mr. G. T. Branch, chemist and druggist, who has been in charge of the business of Mr. J. Austin-Thomas during his absence, leaves next week to rejoin Messrs. Strachan & Co. at Salisbury, Rhodesia. Mrs. Branch accompanies her husband to the new Colony.—Mr. A. Walsh, managing director of Lennon, Ltd., has been elected Chairman of the Freights Committee of the Cape Town Chamber of Commerce for the ensuing year.—Mr. F. W. Smith, of Messrs. Smith, Webster & Co., has been elected Mayor of Cape Town for a second year's term of office. Mr. Smith is a son-in-law of Mr. J. A. Mathew (Heynes, Mathew & Co.).—Among the retiring councillors who did not seek re-election was Mr. J. Jones, chemist, Plein Street, Cape Town, who has done good work in various capacities on the Council.

Pharmaceutical Society of Cape Colony.—A Council meeting of this Society was held on September 16 at the new headquarters, Mercantile Buildings, Hout Street, Cape Town, with Mr. W. Froembling in the chair. There were also present Messrs. F. C. Mathew and J. S. North (Vice-Presidents), J. Sowden, G. R. Cleghorn, H. R. Peck, A. E. A. Tothill, and J. Dell (Secretary).—The Secretary announced the presentation of a set of Southall's Indian and Colonial materia medica specimens from Mr. Drubin (Lennon, Ltd.). The Secretary was instructed to write the donor thanking him for the gift.—Letters were read from the President of the South African Pharmaceutical Society *re* the forthcoming Pharmacy Board election, in which it was indicated that Messrs. Mager (Queenstown) and McJannett (Port Elizabeth) would seek re-election.—The committee appointed to consider the nomination of the Society's representative on the Pharmacy Board recommended the nomination of Mr. G. A. Cleghorn, who expressed his willingness to stand if selected. The recommendation was adopted after some discussion.

Natal.

Personal.—Mr. T. W. Dukes, F.C.S., chemist and optician, Vryheid, has been elected Chairman of the local Public Works Committee. He previously held the position of Chairman of the Finance Committee for several years. Mr. Dukes, who breeds thoroughbred Cleveland bays and Persian sheep, takes a keen interest in agriculture and stock-breeding, being a member of the Natal Union Executive and also of the Royal Agriculture Society's Tree-planting Committee.

Orange River Colony.

Contracts.—The contract for the supply of drugs, dressings, etc., to the Bloemfontein National Hospital from September 1909 to January 1911 has been obtained by the local branch of Messrs. Heynes, Mathew & Co., in whose hands the contract has been since June 1908. The contract is a considerable one, and was open to the whole of South Africa on this occasion.—Tenders are being asked for by the O.R.C. Government for a large quantity of stores, the list including many chemists' articles, but applications are limited to firms doing business within the Colony.

Colonial and Foreign News.

Euchinin in Italy.—In spite of the Zimmer patents covering the manufacture of euchinin, the Italian Board of Health has decided to commence the manufacture of the article at the Military Pharmacy in Turin.

Importation of Cocaine into Turkey.—It is reported from Constantinople that the Ministry of the Interior intends to sanction the importation of cocaine into Turkey, which was forbidden during the reign of Abdul Hamid.

The Town Pharmacy of Fraustadt, which holds a Royal privilege, is to be sold by compulsory auction on September 24, the sum to be paid down being stated at 500*l.* to 750*l.*, besides mortgages. The sale is interesting from the fact that this pharmacy was owned by Hager for twenty years.

At the Annual Meeting of the Union of Assistant Pharmacists of Germany in Dresden last month, one of the proposals carried called upon the Imperial Government to prepare a Bill on the basis of pharmaceutical freedom (as existing in Great Britain and elsewhere), but increasing the educational requirements.

Medicinal Testing Institute.—At the September meeting of the Association of German Chemists, Professor Thoms reported the result of the discussions which have taken place between the representatives of the medical men and pharmaceutical chemists, the authorities, and the representatives of manufacturing chemists with regard to the establishment of a medicinal testing institute. There seems to be no inclination in official quarters to countenance the establishment of an independent testing institute, but rather to entrust the work to a commission working on the lines of the law regulating the sale of proprietary medicines. Dr. Thoms announced that the attitude of the various interests would be considered and taken into account in forthcoming legislation.

German Chemical Trade.—The effect of the recent general depression in trade on the German chemical industry was reflected in the figures given by the general secretary of the Society for the Protection of the Interests of the German Chemical Industry at its annual meeting. During the past year the value of chemical exports from Germany decreased by 1,550,000*l.*, of which 1,400,000*l.* marks the decrease in coal-tar dyes alone. There are at present 168 chemical joint-stock companies working with a total capital of 27,950,000*l.* The return on the capital invested showed a decrease in every branch of that industry, the average return being 9.25 per cent. as compared with 11.16 per cent. in the preceding year. The greatest loss was experienced by manufacturers of coal-tar dyes, the decrease (compared with the returns for 1907) figuring with 32.6 per cent. In the manufacture of explosives the loss was 22 per cent.; in pharmaceutical, photographic, and technical preparations 9 per cent.; alkalies and acids, 7.3 per cent.; and in the industry of artificial manures, 2.8 per cent. The amount paid out in salaries to employés of the chemical industry reached a total of 12,435,000*l.*, or an increase of 2.6 per cent., although the number of employés had only augmented by 0.72 per cent.

Minor Examination.

We have received from the Registrar of the Pharmaceutical Society of Great Britain the following list of persons who were granted Minor Certificates at the recent examination held in Edinburgh:

Armatage, R. J. G., Eyemouth.
Atherton, Frank D., Prescot.
Atkins, E. A., Sunderland.
Breckenridge, Samuel Wilson, Newton Stewart.
Cochrane, C. S., Kirkintilloch.
Gray, John W., Grangemouth.
Guest, George A., Barnsley.
Harper, Lewis H., Glasgow.
Henderson, J. A., Edinburgh.
Hollows, William E., Southport.
Jackson, Arthur W., Hornsea.
Jewitt, William M., Shipley.
Kemp, George M., Edinburgh.
Leslie, John, Huntly.
Livingston, Jane, Dunfermline.
Michol, Walter Robert, Stanley.
Nicholson, J., Walker-on-Tyne.
Ormiston, T. McLay, Alloa.
Paterson, A. B., Govan.
Rees, T., Newcastle Emlyn.
Riddle, N., Hexham-on-Tyne.
Rutherford, A. P., Harrington.
Rutherford, Arthur Tempest, Newbiggin-by-the-Sea.
Sanderson, Edward, Newcastle-on-Tyne.
Scott, John, Newcastle-on-Tyne.
Spears, Gilbert J., Glasgow.
Stewart, James McIntosh, Robertson, Lundin Links.
Taylor, Thomas G., Carlisle.
Twedily, Alexander, Thornhill.
Watson, James D., Coldstream.

Legal Reports.

High Court Cases.

Action Against an Agent.

Mr. Verey, one of the Official Referees of the High Court, heard an action on Wednesday, October 13, by the United Chemical Works, Ltd., Farringdon Road, London, against Mr. Alfred Lowenstein, County Chambers, Corporation Street, Birmingham. Defendant until recently was plaintiffs' agent for the Birmingham district, and plaintiffs claimed money alleged to be due to them. Defendant denied that anything was due to plaintiffs, and counterclaimed various sums alleged to be due to him. Mr. S. Low appeared for plaintiffs, and Mr. T. H. Larkin, solicitor, for the defendant. After hearing all the evidence the Referee gave judgment for the plaintiffs on the claim for 82*l.* 0*s.* 9*d.*, and also in their favour on the defendant's counterclaim, ordering defendant to return plaintiffs' books and documents, and to pay costs on the High-Court scale.

Williams' Shaving-sticks.

In the Court of Appeal on Wednesday, October 13, before the Master of the Rolls, Lord Justice Fletcher Moulton, and Lord Justice Kennedy, J. B. Williams & Co., soap manufacturers, Glastonbury, Connecticut, U.S.A., appealed against the decision of Mr. Justice Neville, in an action brought by them against Messrs. H. Bronnley & Co., Ltd., London, and Mr. J. H. Williams, chemist, Bournemouth, which was fully reported in the *C. & D.*, March 13, p. 398. The appellants sought to restrain the defendants from passing off shaving-soaps, the general get-up of which was said to be the same as Williams', and calculated to deceive. Messrs. Bronnley made the soap complained of and Mr. Williams sold it. The maroon colour of the box was specially complained of. Mr. Justice Neville dismissed the actions, and held that the particular "get-up" was common property.—Mr. Astbury, K.C., Mr. Jenkins, K.C., and Mr. Kerly now appeared for Messrs. Williams; and Mr. Walter, K.C., and Mr. Sebastian for the respondents.—Mr. Astbury, in opening the case for the appellants, said that the two appeals substantially raised the same point. The point at issue was an extremely short one, which related to a very well-known shaving-stick. Their Lordships might remember that some years ago it became the custom to make the soap in the shape of a stick—Pears, he thought, were the first to do this, and they sold it in cardboard boxes. Messrs. Williams then started to put up the soap in metal cases. (Counsel handed up to their Lordships many boxes of various sorts of soaps for reference.) There was no case, counsel continued, of a monopoly, but the point was whether the defendants had tried to pass off their goods as those of Williams. The Williams' stick had a dome-shaped top, and the tin-box was lined inside with cardboard. Around it was maroon crocodile-skin-like paper. It was not in dispute that his clients started selling the soap in these cases in 1894 in very great numbers—thousands and thousands of dozens a year. Williams were the first to put on the market this box with the distinctive colour.

Messrs. Williams called a large number of trade witnesses, and the defendants only called three men who made the tin boxes for them. The plaintiffs called a number of chemists and perfumers, and the evidence was uncontradicted that the get-up was distinguished as that of the plaintiffs. Counsel was not going to say that his clients had any monopoly in the colour or shape, but the whole thing as it stood was recognised by everybody as Williams' shaving-stick. Messrs. Bronnley & Co., which was really Mr. Heilbroon, then started manufacturing boxes, and they were so similar, so counsel declared, that no one handling the two could tell the difference. He started to get them on the market and for the second defendant, Mr. J. H. Williams, to sell. He also started a number of other copies, and the evidence was that, with the exception of Bronnley's make, there was not a similar box on the market that resembled Messrs. Williams'. Mr. Heilbroon gave evidence, and the moment he was cross-examined his counsel stopped, and everyone

thought it was the end. But the Judge found in the defendants' favour. The Williams cover and get-up had been sold in large quantities since 1894 onwards. The first tin box that was ever put on the market, except the Williams was the "Kroop." This was a German article, and no one could possibly mistake them. That was in 1896. Bronnley's then put on the market Courvoisier's soap in tin boxes, and did a fair business. That box was quite distinguishable from the plaintiffs'. Counsel did not know if their lordships had ever used a patent medicine, tooth-powder, or shaving-stick. If they had he asked them to try and remember what was written upon the bottle or pot. Counsel had taken patent medicines time after time but he could not.

The Master of the Rolls : I have never taken a patent medicine in my life. (Laughter.)

Mr. Astbury : You are more fortunate than I am.

The Master of the Rolls : I have used Williams' shaving-stick. (Laughter.)

Mr. Astbury said that these goods were always known by a catch name—Williams' soap ; everyone knew it as that. Counsel alleged that Bronnley & Co. made their American soap in London. This was pointed out by Mr. Justice Neville in the court below. Counsel submitted that this was copied from plaintiffs' goods. No one else had ever imitated Messrs. Williams. There was not a tin maroon-coloured box on the market except that made by Bronnley. By their evidence the appellants had proved two things. Firstly, a large number of traders proved that the boxes were the same as Williams' ; and, secondly, from people that proved that mistakes in fact had occurred. Shopkeepers had made mistakes in their own shops, and the customers had too, except two customers who happened to spot it. Counsel then dealt with the judgment of Mr. Justice Neville, and submitted that on the facts he should have found for the plaintiffs.

Mr. Jenkins, K.C., followed on the same side. He said the case made against the plaintiffs in the court below was that Williams had no distinctive get-up whatever. The Judge's view seemed to be that one could not have a distinguishing name and get-up—the name must be descriptive of the make-up. Counsel had never been able to understand that. If a man asked for Williams' soap, he would take a green or yellow coloured box if the Judge was right in his view of the evidence.

The Master of the Rolls : I am not sure that the Judge might not have meant much more than this. When you take "get-up" you must include everything that is on the box—Williams' shaving-stick—that is as much a part of the "get-up" as the colour and shape on the box.

Mr. Jenkins : I quite agree. In all these cases it is a matter of degree. I can well understand that the box might be made with the particular covering, and yet with something else on it that would differentiate it from others. Suppose a man copied everything and put a circle on and substituted "Jones" for "Williams," I am not prepared to say that he would not be liable for an injunction for passing off. It is a question of degree. Counsel then went through parts of the evidence in the court below, after which he said Bronnley wanted to get rid of his soap, and counsel imputed to him that he tried to get as near as he could to the plaintiffs' article, but did not want to infringe plaintiffs' rights. Counsel submitted that he had proved a threat by his own books to copy the plaintiffs' make. If the Court wanted more than the threat he said that he had that with Mr. Williams, of Bournemouth. It was quite unnecessary for him to argue that there was any monopoly in colour and shape alone, but upon certain writing upon it. Their Lordships had to make up their minds whether the difference in fact was substantial. All counsel was asking the Court to do in this case was to say that the stick of soap got from Williams, of Bournemouth, was got up in such a way as to calculate to deceive.

Lord Justice Fletcher Moulton : The only issue that you ask the Court to find in your favour is that this is this, and that is too near that?

Mr. Jenkins : Yes, that is the whole case.

Mr. Walter, K.C., then addressed the Court on behalf of the defendants. He complained that the case was put before the Court in a different manner from which it was in the court below. There were originally three actions. The two now before the Court, and one by the present plaintiffs against Messrs. Newbery & Son, in respect of another maroon-coloured box made by Messrs. Bronnley, in which no appeal had been made, and which the time for appealing had gone by. And the soap, the "St. Paul's," was being sold on the market with the approval of the plaintiffs.

Mr. Astbury : My friend must not mislead you about this. It is quite true that Messrs. Newbery were dismissed, but Messrs. Newbery had agreed to withdraw their box, and not sell it again.

Mr. Walter had not finished when the hearing was adjourned.

The hearing was resumed on Thursday, when Mr. Walter pointed out that there were marked differences in the lettering on the box complained of and the plaintiffs' box. Messrs. Bronnley had been manufacturing chocolate-coloured boxes with lettering upon them since 1892.

The Master of the Rolls : Not tinned?

Mr. Walter agreed. He said that Messrs. Bronnley were a firm of old repute, supplying the largest firms in the country, including the Army and Navy Stores, Harrod's, and Whiteley's. He (counsel) considered that during the course of the case a most unwarrantable attack had been made upon them by his learned friend, Mr. Astbury. The chocolate-coloured box was absolutely common to the trade. That was proved up to the hilt by the witnesses in the case. Plaintiff's own manager in cross-examination admitted that that was so.

Mr. Astbury said that when he opened the case he admitted that chocolate-coloured boxes were common in the trade, and that tinned boxes were now common.

At the conclusion of the arguments of counsel, the Master of the Rolls, in giving judgment, said this was really a passing-off action. What was it necessary for a trader in a passing-off action to establish? It seemed to him that the first thing a trader in order to succeed must establish was that he had selected a peculiar and novel design as a distinguishing feature of his goods, and which was recognised in the market and had acquired a reputation by reason of that distinguishing feature. Without he established that the very foundation of his case failed. If he took a colour and a shape which were common to the trade, the only distinctive feature was that which he had added to the common colour and the common shape. Unless he could establish that there was in the added matter such a similarity as was calculated to deceive he must fail. The facts of the present case might be stated without undue length. Shaving-sticks had been sold for many years. Shaving-sticks had been sold in chocolate cases for many years, and this colour was used by the defendants in the action before the plaintiffs brought their box into this country. There was ample evidence to show that chocolate was a common colour. But applicants said, "It is true that chocolate is a common colour. We were the first to introduce not a cardboard box like this, but a tin box with a rounded edge on top, and we claim an absolute monopoly in colour and form of the box." His Lordship said deliberately that that was the case made by the plaintiffs and their witnesses. Plaintiffs had a box perfectly common to the trade in colour and perfectly well known, and the claim made in the court below was for a monopoly in a box of that shape and of that colour. It was only necessary to state such a proposition as that to show that it could not be maintained. So far as his Lordship was aware, not a single one of the witnesses called on behalf of the plaintiffs attached any importance to the matter added to a perfectly well-known article of trade. He thought the plaintiffs had taken up a perfectly untenable position, and one which did not secure any support from the legal authorities. It had been said that Messrs. Bronnley were fraudulent traders who had endeavoured to steal the plaintiffs' reputation. He thought the charges which had been made against Messrs. Bronnley were entirely devoid of foundation, and that they left the Court without the slightest possible imputation upon their character. With regard to the defendant Williams, he had upon his box a label with the following words upon it, "Williams' Bournemouth Breezes Cream Shaving Stick," and on the top of the box the words "Superfatted

Shaving Stick." His Lordship was unable to say that there was such a similarity in the added matter to that which was common as would entitle the plaintiff to any relief against Mr. Williams. He thought both appeals failed and must be dismissed with costs. The Lords Justices concurred.

Pharmacy Act, 1868.

Section 17 Prosecution.

At the Ellesmere Port Petty Sessions on October 6, Mr. Thomas W. Rowland, chemist and druggist, was charged, at the instance of the Pharmaceutical Society, with infringing Section 17 of the Act by selling a poisonous vegetable alkaloid—viz. strychnine, contained in vermin-killer—without labelling it with his name and address, as required by the section. Mr. W. Proctor, barrister-at-law, who appeared on behalf of the Society, stated that in consequence of information received at the office of the Society to the effect that the defendant was not observing the statutory conditions as to the sale of poisons, they instructed Arthur Foulds to go to the defendant's shop on June 3, when he purchased, among other things, a packet of vermin-killer, which the defendant personally handed to Mr. Foulds. It was sent by him to Mr. Thomas Tickle, F.I.C., who on analysing the vermin-killer found that it contained 1.8 grain of strychnine.—Evidence in support of this statement was given by Mr. Foulds and Mr. Tickle.—Mr. Morgan, solicitor, Chester, who appeared for the defendant, said that the Pharmaceutical Society existed for the protection of chemists, but they appeared that day prosecuting—he would rather describe it as persecuting. Until two or three years ago the defendant contributed one guinea a year to the Society, but had since cancelled his subscription, and he mentioned the fact as it was curious. The defendant's custom was to label articles directly they were received from the wholesale houses, and the omission in this case was exceptional and, he contended, trivial. The defendant heard nothing whatever of this sale until seven weeks after it occurred, when he received the summons, and Mr. Morgan considered that it was unreasonable to charge a man with such an offence as this seven weeks afterwards.—The Chairman, in giving the decision of the Magistrates (arrived at after consideration in private), stated that the Bench thought the Society did its duty by bringing the case before them for the protection of the public, and imposed a fine of 1*l.*, and costs, also allowing advocate's, analyst's, and witness's fees.

Merchandise-marks Act.

"Half Milk."

At the Mansion House Police Court on October 12, Wilhelm Pieter Wyk, a cocoa-merchant, of Dunedin House, Basinghall Street, was summoned before the Lord Mayor, at the instance of the Board of Customs, for importing milk defectively labelled in not being described as "Machine-skimmed milk."—Mr. Theodore Ward, for the prosecution, said the milk in question was labelled "Half milk." It consisted of milk separated to such an extent that it was almost a dry powder. An analysis showed that in the substance there was 8.76 per cent. water and 7.63 per cent. fat.—Defendant maintained that as this was not separated milk it did not come under the provisions of the Act.—The Lord Mayor said he did not agree with this contention, and as there was recorded against the defendant a previous conviction, he should impose a penalty of 50*l.*, and allow five guineas costs.

Weights and Measures Act.

Unjust Instruments.

At the Clonmel Petty Sessions last week, Mr. J. W. Norriss, apothecary, O'Connell Street, Clonmel, was prosecuted for having in his possession and in use in his medical hall for the purpose of trading: (1) scales which were false and unjust, (2) a 2-oz. weight which was not in accordance with the standard, and (3) a weighing-appliance not of the denomination required by the Board of Trade. There was no appearance for the defendant. The inspector under the Act deposed that on visiting defendant's shop he found a piece of lead attached to the scales. When the lead was put on the beam, the scales were practically correct at the 1-lb. weight, but when the lead was moved inwards on the beam it registered 2½ dr. against the purchaser of 4 oz. of material. There was also an ounce weight which was ½ dr. light. Further, witness said the defendant had in his pharmacy a weight which was neither avoirdupois, troy, nor apothecaries' weight. The Magistrates convicted and fined the defendant 1*s.* 6*d.*, and costs, in each case, and ordered the balance and weights to be confiscated.

Spirits Acts.

Methylated Spirit Licence Case.

At Blofield, Norfolk, on October 11, Thomas George Butler and Benjamin Chapman, of Thorpe St. Andrew, were summoned by the Board of Inland Revenue for selling methylated spirits without a licence. The evidence was to the effect that the defendants had been selling the spirit for nine long years and were ignorant of the fact that a licence is necessary. Each defendant was fined 10*s.* and 5*s.* costs.

County Court Case.

Workman's Compensation Claim.

Judge Fitzgibbon heard a case at Belfast County Court on October 11, under the Workmen's Compensation Act, the applicant being Jas. S. Stronge, and the respondents Messrs. J. & J. Haslett, Ltd., chemists and druggists, North Street, Belfast. Mr. H. Thompson, B.L., was for applicant, and Mr. J. M. Whitaker, B.L., and Mr. Thos. Campbell, B.L., for respondents.—Counsel for applicant said that on December 15, 1908, his client, who had been fifteen months in Messrs. Haslett's employment, fell from the top of a ladder while handing down parcels. As a result of the accident it was found necessary to amputate his foot, the operation being performed on April 19. The respondents paid the claimant full wages till April 12, and from that till October 1 he was paid his wages without prejudice to that case. The only question was whether the amputation of the foot was rendered necessary by the accident or not.—Applicant, giving evidence, said he did not report the accident to the head of his department.—Dr. Moore said there was evidence of tuberculosis in the joint of the foot. The injury might originate tuberculosis or accelerate it if it were there already.—Counsel for the defence denied there was any accident, and secondly that notice was not served as required by the Act. The first notice given of the accident was on April 8, and that only after the doctors said the foot must be amputated.—Dr. Moneypenny, called on behalf of the respondents, said the applicant told him the accident happened on September 17, 1908. He first saw him on April 14, and it was impossible to say at that time whether the condition of the foot was due to disease or accident. The appearance was consistent with disease.—His Honour said he could not decide that the amputation was the result of the accident, and dismissed the application for compensation.

Bankruptcy Reports.

Re William Hope Johnstone, 112 Station Road, Llanelly, Carmarthenshire, Chemist and Druggist.—The following are trade creditors in this failure: Ayrton, Saunders & Co., Ltd., Liverpool (15*l.*); Blyton, Astley & Co., Manchester (10*l.*); Evans Sons Lescher & Webb, Ltd., Liverpool (47*l.*); Hodgkinson, Prestons & King, London (20*l.*); Kirwin & Co., Manchester (11*l.*); F. Lepper & Co., Ltd., London (40*l.*); Plucknett & Co., Ltd., London (32*l.*); and Sutton & Co., London (14*l.*). The principal creditor is Evan Jones, Llanelly (253*l.*).

Re John Gray, Lynwilg Hotel, Aviemore, Inverness-shire, formerly Chemist.—The public examination of this debtor took place at the Inverness Bankruptcy Court on October 7, the debtor's statement of affairs showing liabilities 600*l.* and assets 10*l.* He stated that he had managed a chemist's business in Kingussie for some years, then married (twelve years ago) Miss Cumming, who was owner and occupier of Lynwilg Hotel. The business was in her name, and the property and effects in the hotel belonged to her, but he had saved 200*l.* and put it into the hotel business. The failure appears to have arisen in this connection, and not with reference to the drug-trade.

Re John F. J. Cammack, late of 153 Dawes Road, Fulham, Chemist and Druggist.—The receiving order in this case was

made last February on the petition of the debtor, who returned his liabilities at 359*l.* 9*s.* 5*d.* and assets "nil." He attended on Wednesday, October 13, before Mr. Registrar Giffard, at the London Bankruptcy Court, for public examination, and in reply to Mr. E. Leadam Hough, Senior Official Receiver, stated that in July 1896 he purchased for 500*l.*, which he paid by instalments, the above business, and carried it on until April 1908, when his stock was seized for rates. He thereupon sold the business and surrendered the premises to the landlord, who had since continued the business. From April 1908 to January last witness had no occupation, but since then he had been employed as manager of the business at a weekly salary of 1*l.* 10*s.* and apartments. The failure was due to competition and excess of household and personal expenditure over profits, but mainly to the fact that he had neglected the business. In August 1905 he had a disappointment in his home life and took to drink, with the result that from that time until the distress was levied he neglected the business. That was the chief reason for his downfall. Asked why he did not attend for his public examination in April and May last, the debtor said he was ill in April and sent a wire to that effect. He did not receive the notice of the adjournment in May, and hearing recently that a warrant for his arrest was to be issued, he attended at the court and at his own expense had the case reinstated in the list.—The examination was concluded.

Deed of Arrangement.

Oldham, Thomas, High Street, Towcester, Chemist and Druggist.—Trustee: G. M. White, 14 Old Jewry Chambers, London, E.C., C.A. Dated October 1; filed October 8. Secured creditors, 1,124*l.*; liabilities unsecured, 495*l.*; estimated net assets, 603*l.* A private meeting of the creditors was held at the offices of Messrs. Francis Nicholls, White & Co., C.A., 14 Old Jewry Chambers, E.C., the representative of Messrs. S. Maw, Son & Sons, the principal creditors, being elected to the chair. Mr. White reported that proceedings had been commenced against the debtor by the principal creditors. The Sheriff was in possession, but the execution was withdrawn upon the debtor executing a deed of assignment. The liabilities might be slightly more than the amount at which they appeared in the statement, and would probably total 500*l.* The fully secured creditor was a Mr. Witton, who advanced the debtor a sum of 1,100*l.*, and there was interest owing to him of 24*l.* 15*s.* The securities he held consisted of the freehold property of the debtor, together with four cottages. The property was purchased some thirty-six years ago for 1,400*l.* In the statement the property was valued at 800*l.*, but it would probably fetch more than that amount. The secured creditor also held a life policy of the surrender-value of 472*l.* The returns had decreased consistently, and Mr. White stated that he saw no prospect of the business being sold as a going concern. He would suggest that the best course to pursue would be to ask another chemist in the town to take over the stock. The business was founded thirty-six years ago by the debtor. For the year ended December 1906 the sales were 743*l.*, while in the following twelve months they amounted to 690*l.* In the succeeding twelve months the sales were 668*l.*, while during the present year the turnover had been 589*l.* The debtor had no offer to make, and it was unanimously decided to confirm the deed already executed, with Mr. White as trustee. A committee, consisting of the representatives of the three principal creditors, was also appointed. The following are creditors: Allen & Hanburys, Ltd., London (16*l.*); Baiss Bros. & Stevenson, London (18*l.*); W. Sutton & Co., London (48*l.*); Schweppes, Ltd., London (27*l.*); Spoor & Sons, Northampton, (10*l.*); W. Cooper & Nephew, London (17*l.*); S. Maw, Son & Sons, London (117*l.*); J. B. Smart, London (12*l.*); Singleton & Cole, Birmingham (11*l.*); Wyleys, Ltd., Coventry (43*l.*).

Gazette.

Partnership Dissolved.

Bell, J. A., and Cass, C. M., Gloucester, physicians, etc., under the style of Bell & Cass.

Company Notices.

Corbyn, Stacey & Co., Ltd.—General meeting at 70A Basinghall Street, London, E.C., on Thursday, November 11, at 12 noon. Report by liquidator.

Texas Medicine Co., Ltd.—General meeting at 31 Museum Street, London, W.C., on Saturday, November 13, at 3 P.M. Report by liquidator.

New Companies and Company News.

T. Knight & Co. (Lim.) (P.C.).—Capital 1,500*l.*, in 1*l.* shares. Objects: To carry on the business of chemists, druggists, manufacturers of and dealers in pharmaceutical, medicinal, chemical, industrial and other preparations, etc.

Grieves & Co., Ltd. (P.C.).—Capital 4,000*l.*, in 5*l.* shares. Objects: To take over and carry on the business of Grieves & Co., Ingham Street, South Shields. The first directors are G. P. Cutting, W. Haggart, D. Petrie, and R. W. Graham.

Portman Teeth Institute, Ltd. (P.C.).—Capital 500*l.*, in 1*l.* shares. Objects: To acquire the business carried on at 90-92 Oxford Street, W., as the London Hygienic Institute, and to carry on the business of manufacturers of and dealers in artificial teeth and plates, restorers of natural teeth, etc.

H. Ryland, Ltd. (P.C.).—Capital 1,000*l.*, in 1*l.* shares. Objects: To act as manufacturers of and dealers in the preparation known as "H. R." Skin Food and of toilet-preparations, in particular any invented by H. Winter. The first directors are W. J. Bean, S. Goodman, and H. Winter (150 Leadenhall Street, E.C.).

Peteozone, Ltd. (P.C.).—Capital 20,000*l.*, in 1*l.* shares. Objects: To acquire from H. W. Izod the sole rights and interests in an invention relating to the manufacture of ozonised and oxygenated carburetted air, and to carry on the business of manufacturers of and dealers in gas and chemicals for the manufacture of gas for lighting, etc.

Passmore's Drug-stores, Ltd. (P.C.).—Capital 500*l.*, in 1*l.* shares. Objects: To carry on the business of chemists, druggists, drysalters, oil and colour men, manufacturers of and dealers in pharmaceutical and other preparations, etc. The first directors are C. Bradbury, J. Edwards (chairman), and G. H. Chaston. R.O., 179 Blackstock Road, Highbury, N.

Electrolytic Apparatus Syndicate, Ltd.—Capital 5,000*l.*, in 1*l.* shares. Objects: To adopt an agreement with J. T. Niblett for the acquisition of inventions for electrolytic apparatus, and to carry on the business of manufacturers of and dealers in all kinds of mechanical, chemical, electrical, and electrolytic apparatus (except for electro-plating). R.O., 11 Victoria Street, S.W.

Northern Tooth Co., Ltd. (P.C.).—Capital 1,000*l.*, in 1*l.* shares. Objects: To take over the business of a dental mechanic, extractor and adaptor of teeth and adviser on dental matters carried on by H. W. Hely at 71A Bold Street, Liverpool; 41A Church Street, St. Helens; Leigh Chambers, Stanley Street, and Suez Street, Warrington; and 4 Market Street, Earlstown, as the Hygienic Tooth Co. The first directors are H. W. Hely and A. B. Hely.

Meadowcroft's (Sheffield), Ltd. (P.C.).—Capital 3,000*l.*, in 1*l.* shares. Objects: To carry on the business of mineral-water manufacturers, confectioners, vinegar-brewers, tobacconists, grocers, provision-dealers, chemists, druggists, etc. The first directors are F. J. Parsons and G. Wilkinson. W. Goulding is the first secretary. R.O., 20 Earsham Street, Sheffield.

New Zealand Improved Ozonator Co., Ltd. (P.C.).—Capital 3,000*l.*, in 1*l.* shares. Objects: To acquire the business carried on by C. C. Leathers as the New Zealand Improved Ozonator Co., and to carry on the business indicated by the title. The first directors are R. J. Reuter, 6 Denman Street, W., druggists' sundriesman; C. C. Leathers, 48 Harvey Road, Leytonstone, E., engineer; and C. Dart, 54 Chester Terrace, S.W., clerk. R.O., 5, 6, and 7 Denman Street, W.

British Automatic Aerators, Ltd.—This company is in voluntary liquidation for sale to new company, and a meeting of the creditors will be held at 22-26 Paul Street, Finsbury, E.C., on Tuesday, October 19, at 11 A.M.

Evans Sons Lescher & Webb, Ltd.—In recording last week the issue of dividend-warrants for the cumulative preference shares of this company they were given as "50 per cent." instead of 5 per cent., an obvious but none the less regrettable error in printing.

Parke's Drug-stores, Ltd.—A 6-per-cent. dividend on the preference shares for the half-year ended September 30 has been declared.

Mortgages and Charges.—Particulars of the following have been filed: *W. A. Wayland & Co., Ltd.* Issue of 450*l.* debentures, part of series to secure 3,000*l.* Previously issued, 1,550*l.* —*British Oxygen Co., Ltd.* 20,000*l.* debentures now issued. Trustees, W. Bonwick and E. Elias.

Receiver Appointed.—*Midland Chemical-works, Ltd.* W. Russon, North Street, Dudley.

Births.

Dickenson.—At "Quantock," Layton Avenue, Mansfield, on October 11, the wife of J. F. Dickenson, pharmacist, of a daughter.

Sinclair.—At Cairo, on September 27, the wife of James Sinclair, chemist, of a daughter.

Widdess.—At 118 George Street, Limerick, on October 8, the wife of Matthew B. Widdess, L.P.S.I., of a daughter.

Marriage.

Waterworth—Hepworth.—At St. Stephen's Church, Hull, by the Rev. Mr. Heany, on October 14, Harold Pattison Waterworth, chemist and druggist, Bradford, to Clara, only daughter of the late Mr. C. E. Hepworth, Hull.

Deaths.

Chave.—At The Moor, Hereford, on October 7, Mr. William Francis Chave, pharmaceutical chemist. Mr. Chave was born at Zeal Bampton and educated at Blundell's School, Tiverton. He passed the Major examination in 1862 and in 1865 went to Hereford, purchasing the business of the late Mr. Duggan. In 1879 he sold this business to Mr. J. J. Jackson, who has since carried it on under the title of Chave & Jackson. He afterwards bought the cider business of Messrs. W. Evans & Co., under which name he continued to trade in Hereford and Hele, Devonshire. He was also interested in the With's Plant Food Co. Mr. Chave took considerable interest in local affairs. He entered the Town Council in 1886, and was elected Mayor in 1891. He was afterwards made an Alderman and was appointed a J.P. for Hereford in 1893. Mr. Chave benefited considerably under the will of his uncle, who died in 1892 and left personal property valued at over 116,000*l.*, part of the estate being at Maxwellton, Queensland. Mr. Chave, who had been in failing health for some time, is survived by his wife and a family.

Lees.—Dr. Adam Lees, L.R.C.P.&S.E., of 3 Balmoral Terrace, Crosshill, Glasgow, who died last week aged forty-three, was formerly in the drug-trade, having served his apprenticeship at Burnbank, and subsequently started business on his own account. He studied medicine at Anderson's and St. Mungo's Colleges, Glasgow, and took the Scots triple qualification in 1895. He leaves a widow and four children.

Nugent.—At Croom, on October 7, Mr. Martin Robert Nugent, pharmaceutical chemist, aged fifty-two. Mr. Nugent served his apprenticeship at Dr. O'Sullivan's Medical Hall, Limerick, and passed the Licence examination of the Pharmaceutical Society of Ireland in 1892. He was proprietor of the Medical Hall, Bridge Street, Croom, and also compounder to the Croom and Fedamore dispensary districts. Mr. Nugent's three sons are followers of pharmacy—Mr. Patrick Nugent (Dublin), Mr. Denis Nugent (Dungarven), and Mr. William Nugent (Croom).

Recent Wills.

The dates in parentheses refer to the issues of "The Chemist and Druggist" in which the deaths of the testators were reported.

Mr. Thomas Williamson, Helsby, Cheshire, chemist and druggist, who died intestate on July 13, left estate valued at 145*l.*

Mr. Charles James Boyd Wallis, 21 St. James Road, Wandsworth Common, London, S.W., chemist and druggist and dentist, who died on August 25, aged sixty-three, left estate valued at 813*l.* 12*s.* 2*d.* gross.

Mr. Charles Masters Andrews (formerly Charles Masters Geeves), chemist and druggist, 34 Leinster Terrace, Lancaster Gate, London, left estate valued at 1,453*l.* 10*s.* 6*d.* gross, of which 745*l.* 4*s.* 11*d.* is net personalty. (*C. & D.*, August 14, p. 283.)

Business Changes.

Properly authenticated business notices (not being advertisements) are inserted in this section free of charge if promptly communicated to the Editor.

Mr. H. Bristow has acquired the business of Messrs. Morgan Bros. at 21 Brecknock Road, London, N.W.

Mr. T. J. Gibbs has purchased the business of Mr. W. A. Mansbridge, chemist and druggist, at Bell Hill, St. George, Bristol.

Mr. M. H. Neale, chemist and druggist, formerly of Arundel, has bought the business of Messrs. Evans & Son, chemists, Lyme Regis.

Mr. R. Newboult, chemist and druggist, Pudsey, has purchased the business of Mr. F. B. Parkin, chemist and druggist, at Broughton-in-Furness.

Mr. M. D. Evans, chemist and optician, late of Treherbert, Glam., has purchased the business of Mr. E. D. Hughes, chemist, Towyn, Merioneth.

Mr. John F. Harrington, President of the Pharmaceutical Society, has now transferred his business to new premises at 15 Kensington High Street, London, W.

Mr. S. J. Coley, chemist and druggist, Stroud, has purchased the business of Mr. W. L. Evans, pharmacist, Cainscross, Stroud, which he will carry on as a branch.

Messrs. W. Caudery & Co., 1 Fenchurch Avenue, E.C., intimate that their senior partner, Mr. Charles Wightman, has felt compelled, owing to continued ill-health, to retire from the firm, and Mr. R. B. Jane will continue to carry on the business under the same style as hitherto. Mr. F. S. Allen and Mr. Norman B. Jane will sign per procuration.

Personalities.

Mr. G. S. V. Wills informs us that it was the 19,000th college lecture that he delivered on October 6.

Alderman J. R. Birkett, chemist and druggist, Morecambe, has accepted the offer of the mayoralty for the borough. He has already held the office three times.

Mr. J. Wellesley Douglas, chemist and druggist, 164, Lambeth Walk, London, S.E., is one of the Progressive candidates for the municipal election in the Bishop's Ward of Lambeth.

Mrs. T. H. W. Idris is mentioned as a candidate for St. Pancras at the next London County Council elections. Mrs. Idris is experienced in municipal and poor-law administration.

Mr. Geo. S. Savage delivered a lecture on Athens, Constantinople, Palestine, and Egypt before a crowded audience in the Longside Lane Council Schools, Bradford, on October 8.

Among our callers this week was Mr. Charles Keir, of Messrs. Jolly & Co., Johannesburg, who has been in London for a few days. Mr. Keir leaves on November 3 for South Africa.

Councillor A. F. Barnard (Barnard & Sons, Columbia Road), the Mayor of Bethnal Green, is to be entertained at dinner by his Council on November 9, probably at the Great Eastern Hotel.

Lieut.-Colonel Clifford Probyn, J.P., L.C.C., is one of the stewards at the forthcoming Anniversary Festival of the Licensed Victuallers' Asylum, to be held at the Hotel Cecil on November 4.

Mr. Ernest G. Swift, general manager and secretary of Parke, Davis & Co., Detroit, U.S.A., who has been on a business trip to Europe since the beginning of August, left London on Wednesday for Manchester and Liverpool, and sails for New York on Saturday, October 16.

Mr. R. B. G. Rose, a well-known Queensland pharmacist, is, with Mrs. Rose, now in London. Mr. Rose has disposed of his business, but hopes to return in the course of a few months. He has had an eye-affection, but it has greatly improved during the long voyage home.

Mr. J. H. Collins, chemist and druggist, who has accepted the mayoralty of Mansfield, is in business as a chemist in Albert Street. He is Chairman of the Electricity Committee, and has served on the Corporation for several years, being one of the best-known public men of the town.

Mr. S. W. Fairchild, of Messrs. Fairchild Bros. & Foster, New York, arrived in London on Monday evening, having travelled by the *Mauretania*. He entertained the Trustees of the Fairchild Scholarship and other guests to dinner at the Hyde Park Hotel on Thursday evening, and sails for New York again on Saturday.

The following gentlemen have been appointed Visiting Justices under the Lunacy Act, 1890 :

Mr. Samuel R. Anness, Ph.C., Glenhurst, London Road, Ipswich.

Mr. W. J. Barnes, chemist and druggist, 52 Biggin Street, Dover.

Alderman Henry Gadd, J.P., 31 St. David's Hill, Exeter.

Mr. W. H. Gibson, F.C.S., as chairman of directors, presided over a harmonious gathering at the annual general meeting of the Brighton West Pier Co., when the accounts showed a record year. After Mr. Gibson had been re-elected director, a motion that an honorarium of 100 guineas be voted to him in recognition of his services met with unanimous approval, and was carried amid loud applause.

Trade Notes.

Surgical Dressings for the Army.—The Secretary of State for War has again accepted the tender of Messrs. S. Maw, Son & Sons, Aldersgate Street, London, E.C., for surgical dressings, and indiarubber and waterproof goods for the British Army at home and abroad.

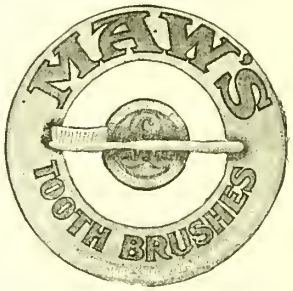
Bovril Bonus.—We may remind subscribers that the 5 per cent. cash bonus offered by Bovril on the gross value of orders for bovril and vimbos sent to the wholesale houses or the company direct holds good until October 31. It is advisable to write to the company at Old Street, London, E.C., for full particulars.

"Massolettes."—Messrs. Arthur Cox & Co., Ltd., Brighton, who introduced a few weeks ago cultures of the lactic bacilli, for the Metchnikoff treatment, in the form of chocolate creams called "Massolettes," announce that they will only supply these to pharmacists and medical practitioners. This decision will be appreciated; for the novelty is just the sort of thing that confectioners would like to get hold of, as it is modern treatment in a most tempting form.

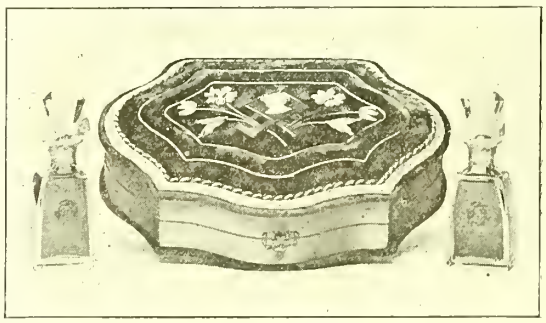
The British Drug Houses, Ltd., are on Saturday, October 16, completing the centralisation of their business organisation by removing the Hearon, Squire & Francis branch of the company to the new works at 22, 24, 26, 28, and 30 Graham Street, City Road, N. From that date all postal communications intended for the Hearon, Squire & Francis branch should be addressed to the British Drug Houses, Ltd., Graham Street, City Road, London, N. Telephonic communications may be made to 6123 London Wall. When this removal is completed the businesses of the four constituent firms of the company, Barron, Harveys & Co., Davy, Hill & Co., Hearon, Squire & Francis, and Hodgkinsons, Clarke & Ward, will be under "one roof," and one management, the surviving partners of each firm being associated both in the directorate and management.

United Chemists' Association.—It will be observed from an announcement in this issue that this business organisation of retail pharmacists is beginning its operations as manufacturers of specialities for pharmacists. The scheme was started in May last, and a committee appointed. There has been some delay in beginning, due, we are told, to several wholesale houses offering their business. These were investigated by the committee, who have come to the conclusion that it is better to start *de novo*, and premises are to be taken in Sheffield, where it is hoped business will be commenced in November. Steps have been taken for the registration of the organisation as a limited company, the first directors of which will be Mr. Harold Miller (Cheltenham), chairman; Mr. C. C. H. Cadge (Birmingham), vice-chairman; Mr. J. G. Jackson (Sheffield), Mr. L. Moreton Parry (Liverpool), and Mr. A. E. Bolshaw (Hastings). Four more directors will be appointed by the shareholders at the first statutory meeting. We understand that in a few days the prospectus will be forwarded to any pharmacist interested. One of the organisers says that, "although intended primarily to jointly manufacture and sell proprietaries, U.C.A.L. must become something more than a mere trading concern. Promoted entirely by pharmacists for pharmacists, organised by devoted workers, who have freely given their services, the executive are fully awake to the future, and will secure ample powers for extension, so that developments will depend on the needs and aspirations of the members." Communications in regard to the matter may in the meantime be addressed to Mr. Miller, 389 High Street, Cheltenham.

A Novel Showcard.—Messrs. S. Maw, Son & Sons, Aldersgate Street, London, E.C., have ready a novel circular showcard for toothbrushes, which the annexed engraving illustrates. It is 9 in. in diameter, and is pierced so that there is a ring $1\frac{1}{8}$ in. wide between outer circle and the central disc, a tooth-brush bridging the whole. Hung in the window, door, or elsewhere, so that it catches the eye of customers, it tempts them to look through the pierced part, and thus has a double result. The cards are beautifully printed in three styles—blue, green, and buff on the outer circle, and crimson and gold for the trade-mark, the brush being in ivory. Gold is liberally used. The cards will be sent to the firm's customers on application.



Christmas Perfumery.—The first specimens of 1909 perfumery cases for Christmas trade submitted to us come from the laboratories of Messrs. Southall Bros. & Barclay, Ltd., Birmingham, and they reveal entirely novel designs, new departures, and a variety so tempting that chemists



who care to give thought to the attractions of Christmas trade have the means of making a good harvest. The following notes on the samples are as brief as we could make them without reference to the catalogue except for the prices :

741.—Lacquered wood box, with lock and key, satin-lined lift-out tray, two 2-oz. bottles, 5*s.* $11\frac{1}{2}$*d.* each.

491.—One 1-oz. bottle old-gold cardboard box, silk and medallion top, velvet edges, satin-lined, 2*s.* $9\frac{3}{4}$*d.* each.

635.—Crocodile-paper case, pink velvet edges, embossed red-rose top, containing a 4-oz. bottle of perfume, 3*s.* $7\frac{3}{4}$*d.* each.

531.—Embossed grey cloth pedestal case, pink silk edges, silver lizard on top, containing two 1-oz. bottles in bed of silk, 4*s.* 7*d.* each.

648.—Fancy cardboard case with Sir Joshua Reynolds' miniature on lid, lined old-gold and satin, one 2-oz. bottle, 3*s.* $4\frac{1}{2}$*d.* each.

725.—Fine fancy ivory card-case, with miniature in metal repoussé frame on the lid, gold edges, contains two 2-oz. bottles of perfume, 6*s.* each.

385.—Single bottle (2-oz.) cardboard case, cloth sides and top (with medallion in relief) and green-gold edges, 2*s.* 4½*d.* each.

756.—Unpolished wood-surface case, with lid in bas-relief of moorland scene (setter in foreground) in colours, lined top and bottom with red satin, three 2-oz. bottles of perfume, 7*s.* 11¾*d.* each.

The catalogue quotations are by the dozen. Thus No. 792 (which we illustrate with two of the three 4-oz. bottles outside) is 223*s.* 6*d.* per doz.; it is one of a series of presentation cases of exquisite design and high quality which Messrs. Southall Bros. & Barclay now introduce. They go far beyond anything the company have hitherto attempted, and are eloquent of the art which they embody in externals, refinement in perfume compounding, and consideration of public taste and purchasing power. These are examples of 795 styles and sizes that Messrs. Southall Bros. & Barclay have prepared. Most of the styles are illustrated in coloured engravings printed in a special illustration portfolio from the company's press, this portion of the catalogue being distinct this year from the price-list, so that a retailer may, when occasion requires, show a customer the catalogue and quote for any style he does not stock. The price-list of fifty-six pages gives all details and prices. The illustration book has a beautiful cameo cover, which is also to be used as a showcard. As in former years, assortment parcels of the perfume cases are offered at 20*s.*, 40*s.*, and two guineas, the last being a special set of cases to retail at from 6½*d.* to 10*s.* 6*d.* each; this provides a novelty in assortment. We notice that the catalogue preface urges that orders for the perfumes should be sent in early, and that indicates that there should be no delay in applying for the price-list and portfolio, which Messrs. Southall Bros. & Barclay will be glad to send to any of our readers on application.

Westminster Wisdom.

A Record of Parliamentary Progress.

The Fatal Shampoo.

The Home Secretary is to be asked in the House of Commons when Parliament reassembles whether he will in the course of next Session introduce legislation for the purpose of prohibiting the use of carbon tetrachloride and other similar hair-washes which, until the recent fatality, have been largely used by hairdressers. It is a well-known fact that all such mixtures are in reality no more effective for shampooing-purposes than the ordinary preparations which are perfectly harmless.

The Sale of Poisons.

When the House of Commons re-assembles next week Captain Murray will ask the Lord Advocate whether he is aware that a licence has been granted to a grocer in Penicuik under the provisions of Section 2 of the Poisons and Pharmacy Act, 1908; whether there are two registered chemists who are qualified poison-vendors within the jurisdiction of the Town Council of Penicuik; whether the Act of 1908 contemplated the granting of local licences in neighbourhoods where the reasonable requirements of the public with respect to the purchase of poisons are satisfied; and, if not, whether he will consider the propriety of taking steps to have the licence referred to in the first part of the question cancelled.

The Finance Bill.

There now appears to be but little probability (writes our Parliamentary correspondent) of the Finance Bill reaching the Upper House before the second week in November, and a peculiar significance will attach to its arrival in the event of this being coincident with the anniversary of the Gunpowder Plot and the capture of Guido Fawkes. The constitutional struggle which is believed in some quarters to be imminent would thus be invested with historic importance. Only one branch of the legislative machine has been sitting during the present week, as the representatives of the People's Chamber have been taking a short breathing space preparatory to the final struggle which is expected to take place between the two Houses towards the end of next month.

The late Dr. Cooper, M.P.

The sudden death of Dr. G. J. Cooper, M.P., to whom reference has been made from time to time in the columns of the *C. & D.*, was received with feelings of very genuine regret at St. Stephen's, where the deceased member was popular on both sides of the House. He may be said to have, literally speaking, died in harness, and at the same time to have been killed by the enormous strain which was thrown upon him by being in constant attendance at Westminster in connection with the Budget. He will be remembered for much useful work both in the House of Commons and at Spring Gardens. His Anæsthetics Bill, which took the place of his Medical Acts Amendment Bill, is still on the Order-paper of the House of Commons, from which it cannot be removed owing to the fact that at the close of each day's sitting it is not the practice to run through the Orders of the Day for the purpose of intimating which have been withdrawn or dropped. It was not the intention of the hon. member to attempt to make any further progress with the Bill this Session, but next year, had he been spared, he would have re-introduced it.

Trade-marks Applied For.

Objections to the registration of any of the undermentioned applications should be lodged with Mr. Temple Franks, Comptroller-General of Patents, Designs, and Trade-marks, at the Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned. The objection must be stated on Trade-marks Form No. 7, cost £1, obtainable through any money-order office. The figures in parentheses refer to the classes applied for.

(*From the "Trade-marks Journal," September* 29, 1909.)

"Carbric"; for calcium carbide (1). By C. C. Wakefield & Co., 27 Cannon Street, London, E.C. 315,658.

"Mortibus"; for a vermin-destroyer (2). By Mortibus Ltd., 30 High Street, Borough, London, S.E. 314,806.

"Evaprylene"; for chemicals (2 and 3). By Duncan, Flockhart & Co., 143 Farringdon Road, London, E.C. 315,303/4.

"Puriseptas"; for all goods (2). By E. T. Leaver, 5 Dowgate Hill, London, E.C. 315,832.

"Topsy"; for all goods (2). By General Kaputine Syndicate, Ltd., Chald Lane, Wakefield. 316,083.

"Granuline"; for a liquid eye-remedy (3). By Murine Eye Remedy Co., Chicago, U.S.A. 314,039.

"Massol"; for an ointment (3). By S. F. Goss, Ltd., 17 Brompton Road, London, S.W. 314,363.

"Bourad"; for a radio-active muddy substance (3). By Banque du Radium, 45 rue Boissy d'Anglas, Paris. 314,407.

"Ell-me"; for an ointment (3). By A. E. Rhodes, 7 Kingsbury Road, London, N. 315,119.

"Sky"; for chemicals (3). By Lever Bros., Ltd., Port Sunlight, Cheshire. 315,178.

"Arylos"; for medicinal chemicals (3). By Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C. 315,597.

"Rundovin"; for all goods (3). By Charles Rundle, 220 High Street, Walthamstow, London, N.E. 315,785.

"Marizel," and label device with facsimile signature; for a medicine (3). By Carl Brady, 2 Fleischmarkt, Vienna, I. 315,827.

"Tubex Automatic Pasteuriser"; for a milk-steriliser (18). By Automatic Dairy Appliances, Ltd., 67 Grove Avenue, Twickenham, Middlesex. 313,892.

Picture of man's arm, with hand grasping dagger; for cordials and hop bitters (42) and for aërated waters, etc. (44). By O'Brien & Co., Henry Place, Dublin. 313,706, 313,708.

"Jellic"; for all goods (42). By John Crampton & Co., Ltd., 2 Hewitt Street, Knott Mill, Manchester. 315,232.

Picture of child on calf; for food substances (42). By Trufood, Ltd., Wrenbury, Cheshire. 315,512.

"Moon of my Delight," and label device; for goods (48). By A. Unsworth, Old Castle Buildings, Precson's Row, Liverpool. 313,809.

"Beau Nash"; for perfumery, etc. (48). By Cater, Stoffell & Fortt, Ltd., 26 High Street, Bath. 315,471.

"Philocutis" ("Friend of the Skin"); for an emollient (48). By W. W. Crawford, 22 Henrietta Street, Strand, London, W.C. 315,478.

"Herpicide"; for hair-preparations (48). By Herpicide Co., Detroit, Michigan, U.S.A. 315,478.

"Stickphast" (by order); for adhesive cement (50). By Leadenhall Press, Ltd., 50 Leadenhall Street, London, E.C. 312,439.

Prescription Problem.

THE response to the prescription problem which appeared in the *C. & D.* of September 25 was the best we have had for some months. The rendering of the prescription is as follows :

Quinæ Disulph gr xxx
Phosphori gr ½
Ferri sulph exsic gr xlv
Acid. Arseniosi gr iss
Ext. Nucis Vomic gr xv
Ext. Anthemid gr xxx
M
bene et ft pil xxx
Take one pill 3 times a day half an hour after meals.
Varnish. J. R.

The exercise was not a difficult one, but many blundered over the word "quinæ". A few were unable to decipher the last ingredient, some solutions offered being

Ext. Cer. Liquid	Ext. Ovis Thyrodei
Ext. An. Liquid	Ext Anthymed
Ext. Cin. Liquid	Ext. Ox Pigment
Ext. Cin. Remid	Ext. Al. Liquid
Ext Actææ Racemosæ	Ext. Cro. Stygmat
Ext Cascaræ Sagradæ	Ext. Armoracæ
Ext. Aur. Liquid	

Against these have to be placed the large number of correct replies received, which we have had to adjudicate upon according to the promptness with which the cards were posted. To make the method fair to subscribers in all parts of the United Kingdom we reserve prizes for each division of the country, and then find out from the postmarks which correct reading was posted first. By this method we have arrived at the following prize-winners, each of whom will receive a copy of "The Chemists' Medical Dictionary" :

London and Home Counties.

Mr. W. H. Robb,
46 Churton Street, London, S.W.
Mr. A. J. Dodd,
76 New Bond Street, London, W.

Wales and English Provinces.

Mr. C. A. Netherton,
Messrs. Martin & Palmer, Plymouth.
Mr. S. H. Plattin,
10 Derby Road, Nottingham.

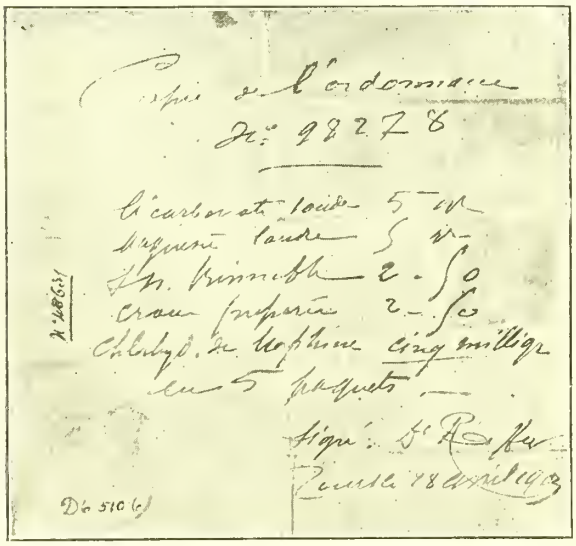
Ireland.

Mr. J. Knox,
49 Dawson Street, Dublin.

Scotland.

Mr. A. W. Ritchie,
198 High Street, Montrose.

The prescription for the next exercise is as follows :



Postcard replies will be received up to October 20.

INFORMATION DEPARTMENT

The object of this department is to supply our subscribers with the names and addresses of manufacturers and agents, or other business information which they may be in need of. Inquiries should be sent by post, addressed to the "Information Department of 'The Chemist and Druggist,' 42 Cannon Street, London, E.C." The information is supplied in most cases from references in our private registers; if not immediately obtainable, an inquiry is inserted free under "Information Wanted" in the next published issue of "The Chemist and Druggist." Urgent inquiries by telegraph or telephone are attended to, but they should, when possible, be confirmed by post.

Inquiries in regard to dispensing, legal, practical, technical, or other pharmaceutical subjects should be addressed to The Editor, who will reply to them in the Correspondence Columns.

Information Wanted.

We would be obliged if readers would reply, by postcard or otherwise, to any of the subjoined inquiries. Replies should be addressed to the "Information Department of 'The Chemist and Druggist,' 42 Cannon Street, London, E.C."

199/63. Where can "Lactoferrin" be obtained?
201/76. "Mouilla" liquid soap: who makes?
199/1. Agents in this country for "Requa's Manicure Sets," or where obtainable.
196/51. Present address of Harvey Taylor & Co., surgical-instrument makers, late of 61 City Road, London, E.C.
196/37. Where can "Kloram" (for inhalation) be obtained?
188/43. Makers of a machine for the manufacture of metallic capsules from the sheet metal.
194/43. Where can "Adair's Diable Tonic" be obtained?
192/10. Importers of and dealers in Norwegian extract of pine for tanning-purposes.
196/2. Albany Food: where can it be obtained?
190/57. Liebricht's chairs for invalids: where obtainable?
201/35. Suppliers of "Salvolit," a German dentifrice.
201/37. Where can supplies be obtained of a combined vaporiser, watch-holder, and food-warmer (made of tin), which sells at 1*s.* or 1*s.* 3*d.*?

Information Supplied.

In reply to inquiries, information has been sent to subscribers and others by our Information Department in regard to the following subjects. The information will be repeated to any others requiring it who send a stamped and addressed envelope for the purpose to the Information Department as above. The subject of the inquiry and the registration number should be exactly quoted.

Alexander Smith's "Inorganic Chemistry," publishers (190/16).
"Antineuro Pain," makers (196/28).
Antiposition, suppliers (195/8).
Cockle's pills, makers (199/62).
Compressed tablet machinery, makers (196/29).
"Cresolene" lamps, makers or agents (196/41).
Cuscus importers (243/31).
"Enteronol," makers (199/66).
Finsen light converging apparatus (194/67).
Formaldehyde, makers (192/9).
Garrod's "Sulph. Co." lozenges, coloured red or blue (189/25).
Gonosan capsules, makers and agents (196/16).
Greenish's "Materia Medica," publishers (196/16).
Hæmocithin, supply (193/63).
"Icykol," makers or agents (196/38).
"Koomah" preserver (189/13).
"Lacsauer" apparatus (197/42).
Lactic ferments, cultures (193/64).
Lactic ferments for tablet compression (199/32).
Magda Cream, makers and agents (201/40).
Nurse Richard's bed-pans (201/42).
"Regnas" manicure sets (195/18).
Ribbon-soap exporters (191/38).
Scientific apparatus, dealers (200/36).
Soap-machinery makers (191/38).
Tripanroth, suppliers (199/61).
"Troch. Salmiak," suppliers (193/54).
Dr Williams' Pink Pills, London agents (195/63).

THE EXPORTS OF CHEMICAL PRODUCTS from Austria-Hungary during 1908 amounted in value to 705,000*l.*, against 663,000*l.* in 1907 and 733,000*l.* in 1906.

AT THE HOSPITAL.—A few days ago two children, aged about six and eight, wandered into the receiving ward at the London Hospital. The elder handed the doctor in charge the following note from its mother: "They have awful cauf. I think it is hwooping cauf. You wait a minit and hear them cauf." The mother was right.

Observations and Reflections.

By "Xrayser."

No Annuitants

are to be elected this year on the Pharmaceutical Benevolent Fund. We have often been told that it is the elections that stimulate the subscriptions, and therefore this passing of the usual annual demonstration will be bad for the Fund; but it will be worse for the poor applicants who may have been anticipating some relief from their penury. By this remark it is not by any means intended to question the propriety of the policy adopted by the administrators of this noble charity. Frankly, I think they have been only reasonably prudent. Their first, and probably their most unpleasant, duty is to limit their liberality to the proportion of their means. They cannot give anything like all the help which, after investigation, they believe might be bestowed advantageously, and it may be a matter of some difficulty occasionally to make the wisest selection. The tendency has been in recent years to reduce the amount distributed by way of annuities, and to increase the sum bestowed in the form of "grants." In the first year of this century 1,995*l.* was paid in annuities, and 779*l.* in varying sums for the relief of special cases of distress. The annuities gradually declined until 1907, in which year they had come down to 1,687*l.*, while the grants in that year totalled 1,236*l.* Following the decennial dinner, which brought in a considerable accession to the invested funds, the annuities were advanced in 1908 to 1,862*l.*, and the grants still further increased to 1,300*l.* The comfortable, well-to-do chemist hardly realises

The Narrow Margin

on which a very large number of his fellow-pharmacists have to balance themselves while they just maintain their standing. Illness or death occurs, and collapse is imminent. It is then that aid from the Benevolent Fund may be of unspeakable value. It is gratifying to be able to provide pensions for comrades who have broken down, and who thereby are relieved from the keen agony of anxiety which would otherwise torture their latter days; and in bringing this substantial succour to some forty of our old friends we of the drug-trade are doing as well as, perhaps better (considering our limited wealth and numbers) than, any other class in the Kingdom. But much as some of us might wish to see this form of help extended, it will probably be generally agreed that the administrators of the Benevolent Fund have rightly given precedence to the urgent cases which come before them in such numbers as to cause the gradual development of "grants" and the simultaneous reduction of annuities, already indicated. Moreover, it must be recognised that the institution of old-age pensions by the State has considerably modified the conditions under which this money can be best spent. In this connection may be noticed the suggestion offered by the

Brighton Association of Pharmacy

to the effect that future annuities should be of the annual value of 25*l.* instead of 50*l.*, in order that advantage should be taken of the national pension provision. This, of course, applies to persons of seventy years of age and upwards, and it may be observed that to accomplish the purpose the Brighton chemists have in view an annuity of 21*l.* would be just as good as one of 25*l.*, as, presuming this to be the whole of the pensioner's income, it will be made up to 31*l.* 10*s.* out of the national stock, no more and no less. By adopting the course indicated, or something like it, a great many more persons would be relieved, though the standard of comfort which has been hitherto aimed at would be somewhat reduced. The proposal deserves the most careful attention, and at the same time might be also considered another which has been before mentioned in these notes, but which may seem too revolutionary. Premising, however, that it is not intended to convey the smallest reflection on the wisdom, efficiency, or impartiality with which the Fund has been administered by the Pharmaceutical Council, it may be permissible to plead for a more direct representation on its Benevolent Committee of subscribers who are not members of the Society. It will be agreed that the more

Interest Taken by Subscribers

in the administration of the Benevolent Fund, the better it must be for the Fund itself. This interest is now only maintained by the usually annual election of annuitants, and that involves a certain rather cruel charge on the candidates, with the probable result that those who canvass the most vigorously—that is, those who can spend the most money, or have the best friends—are the most likely to succeed. An annual election by the subscribers of a few "extra" members of the Benevolent Committee would be at least as likely to promote interest in the Fund as the election of annuitants. The Pharmaceutical Council might still appoint from its own body half, or more than half, of the members of the committee, and it would necessarily retain the power of accepting or rejecting the recommendations which the committee might make. The co-operation of a few outsiders in the conduct of the business connected with the Fund would demonstrate to all chemists the catholicity of its objects.

The National Institution of Apprenticeship,

to whose work the Lord Mayor of London directs attention in the last number of this journal, is planned on excellent lines, and aims to do work which should be useful both to the nation and to the youths whom it seeks to place out. I notice that his Lordship mentions that the Council of the Institution "exercises a careful discrimination in the selection of trades" to which to commit its *protégés*; and this remark reminds me that some time ago (March 21, 1908) I mentioned a letter shown me by a chemist who had written to the Secretary of this Institution asking if he could provide him with a decent youth as an apprentice, and mentioning terms which I said at the time "seemed to be liberal." The Secretary promised to register the inquiry, but did not expect to be able to send anyone on, as, he said, "your business is not popular." I am glad to take this opportunity of stating that in the case mentioned the Institution did some time after introduce an apprentice to the chemist referred to, making careful and proper conditions, fair to both parties. It appears from the report that the Council have in fact effected nine indentured apprenticeships to chemists and druggists.

All-Fours,

the cough-mixture, the liniments, and the oils, now the subject of correspondence in this journal, may not be lineal descendants of the many "foursomes" found in old medical books, such as the four hot seeds, the four cold seeds, the four cordial flowers, and so on, but apparently they reflect the almost eternal inclination to attribute special virtue to combinations of four things. The four elements and the four humours have been familiar to medicine-men from Hippocrates to the present day. The medicinal formulas found in the Egyptian papyri are very frequently compounds of four ingredients, and were commonly ordered in four doses. The magical incantations which were to make the remedies effectual had generally to be repeated four times. The Pythagoreans swore by the number four, and held it to be the symbol of the soul; and in our ordinary language the four quarters of the earth, the four winds of heaven, the four corners of a document, the four-leaved clover, a carriage and four, and four aces in one hand, are figures of perfection. "All-fours" perhaps carries the same suggestion.

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Editorial Comments.

Japanese Aconites.

Several important contributions to the aconitine question have been communicated by Professor E. Schmidt, of Marburg University, to the "Archiv der Pharmacie" (vol. 249, Nos. 3 and 4). The trend of the studies of Schmidt and his collaborators, originally undertaken in 1882 to investigate a case of poisoning arising from the divergence in pharmacological value of different preparations of aconitine, has been to discover the relations between the alkaloids of different species of aconite of European and Asiatic origin. In this direction one of his pupils, Dr. K. Makoshi, has been most successful in throwing light on the vexed question of the identity of alkaloids from Japanese aconites, the material for this investigation being supplied by tubers collected in Japan by Professor Shimoyama. Incidentally while confirming the conclusions of other investigators as to the constitution of the aconitine of *Aconitum Napellus* as an acetyl-benzoyl-aconine, Schmidt declares that analyses by Dr. H. Schulze establish beyond doubt that the formula of Freund and Beck containing eleven atoms of oxygen in the molecule is correct, but he finds it impossible to decide between the formulæ $C_{33}H_{45}NO_{11}$ and $C_{33}H_{47}NO_{11}$, although giving preference to the latter. The contention of Freund and Beck, and of other German investigators, that japaconitine is identical with the aconitine of *A. Napellus*, is, on the other hand, proved to be erroneous, and the conclusions of Paul and Kingzett, of Wright and Luff, and more recently of Dunstan and Read, that japaconitine is a distinct alkaloid, are fully confirmed. From the material collected by Professor Shimoyama, Makoshi finds that the japaconitine of commerce is not derived from the tubers of *Aconitum Fischeri*, Reich, as hitherto supposed, but from *Aconitum Fischeri* (var.). This confusion appears to have arisen from the fact that the tubers of both species are known as Kusauzu, but according to Professor Miyabe, a recognised authority on Japanese plants, only the Kusauzu or Bishi tubers from Hokkaido (Jeso) are derived from the true *A. Fischeri*, Reich, whereas the Kusauzu tubers grown in Hondo, which alone yield japaconitine, are derived from a variety of *A. Fischeri*. In Hokkaido or Jeso six species of aconite are known, of which the Bishi or Kusauzu tubers of *A. Fischeri*, Reich, are regarded as the most poisonous, being from antiquity preferred by the natives in the preparation of arrow-poison. From these roots Shimoyama was only able to obtain an amorphous basic substance possessing the characteristics of an alkaloid. Makoshi extracted 0.54 per

cent. of crude alkaloid, which he likewise found impossible to obtain in a crystalline state; also none of its salts exhibited any tendency to crystallisation. By heating the alkaloid with water under pressure, three crystalline hydrolytic products were, however, obtained, which were respectively identified as anisic acid, benzoic acid, and aconine. The base aconine was found to be identical with the aconine obtained by hydrolysis of aconitine from *A. Napellus*. No acetic acid could be detected as a product of hydrolysis. The amorphous alkaloid from the Kusauzu tubers of Jeso, to which the name "jesaconitine" has been given, is therefore an anisoyl-benzoyl-aconine, and differs chemically from the aconitine of *A. Napellus* and from all other aconite alkaloids so far examined, by containing an anisic-acid radicle. The physiological properties of jesaconitine have been studied by Professor Morgenroth, of Berlin, and by Professor Heinz, of Erlangen, who find that jesaconitine possesses the typical "aconitine" action of the alkaloid of European aconite. From the Kusauzu tubers from Hondo a crystalline alkaloid was obtained, which entirely differed from jesaconitine, and corresponded in melting-point, crystallography of its salts, and behaviour of its derivatives with the descriptions given by Dunstan and Carr and Dunstan and Read for japaconitine, and with which the japaconitine of commerce, when purified, was found to be identical. Like aconitine of *A. Napellus* japaconitine yields on hydrolysis acetic and benzoic acids by which it is distinguished from the pseudaconitine of *A. ferox*, which has a like melting-point, but according to the investigations of Dunstan and of Freund is an acetyl-veratroyl-pseudaconine. The hydrolytic base, japaconine, is, however, equally distinct from the aconine obtained by hydrolysis of *A. Napellus* and from pseudaconine, and therefore Makoshi concludes that, although in some respects remarkably similar, japaconitine is not identical but isomeric with the aconitine of *A. Napellus*.

British Foreign Trade.

The Board of Trade Returns for September, which complete the record for the first nine months of the year, show a continuance of the expansion in overseas commerce, which began in June; imports, exports, and re-exports showing a satisfactory increase. The imports are 1,459,000*l.* more, exports 1,180,000*l.* more, while re-exports show a gain of 1,176,000*l.* The features of the September imports were the large increase in raw materials by 590,000*l.*, one of 479,000*l.* in manufactured articles, and one of 351,000*l.* in food and drink. In the manufactured-article group, chemicals, drugs, dyes, and colours exceed the previous year's corresponding figures by 60,000*l.*, imports reaching 869,500*l.* Among the Continental chemicals, less bleaching-powder and soda compounds were "dumped" in Britain last month. Sulphuric-acid imports were almost 50 per cent. more, and there was a substantial increase in boron compounds, coal products (not dyes), and saltpetre. Unenumerated chemicals were better, at 90,000*l.*, and quinine imports were slightly less.

The feature of the month's exports is the gain of 764,000*l.* in manufactured goods, and this in spite of a decline of 1,528,000*l.* in new ships, always an irregular item. Shipments of raw materials increased by 54,000*l.*, although coal declined by 259,000*l.* in value, this being due to lower prices, as the quantity actually sent abroad was higher by 165,000 tons. The woollen industry did well last month with an advance of 601,000*l.*, and there was also an advance of 242,500*l.* in iron and steel; in fact, the bulk of the items scheduled (A. to N.) are on the up grade, and in a marked degree this applies to chemicals, the exports of which were 1,333,700*l.*, a gain of 125,000*l.* compared with September 1908.

Interest, however, centres in the nine months' trading, the figures for which must be regarded as highly satisfactory. In imports there was a large increase of practically fourteen millions sterling, and to this manufactured goods contributed to the extent of 1,029,000*l.*; food, drink, and tobacco being responsible for almost seven millions, and raw materials for six millions. On the export side the comparative decline was 8,326,000*l.*, of which 7,910,000*l.* was in manufactured goods, rather over two millions in raw materials, while food, drink, and tobacco appreciated 1,200,000*l.* The appended table gives the figures in greater detail, the figures for 1908 and 1907 showing how much the 1909 figures are more or less than the former years:

	1909	1908	1907
	£	£	£
Imports ...	449,777,616	+ 13,999,185	− 25,355,257
Exports ...	277,337,314	− 8,325,688	− 41,943,850
Re-exports ...	67,377,601	+ 9,662,821	− 4,869,459
Total ...	794,492,531	+ 15,236,318	− 72,168,566

Analysing further the decline of almost eight millions in manufactured goods, we find 3½ millions accounted for by new ships, cotton goods being 5½ millions less and machinery 2¼ millions less. These are the largest declines; on the other hand, we have an increase of over 2,290,000*l.* in yarns and textile fabrics, and there are half-a-dozen other scheduled items on the upward trend, including chemicals with a modest gain of 3,737*l.*; but as compared with the great year of trade (1907) there is a decline of 643,600*l.* The figures are as follows:

	1907	1908	1909
	£	£	£
Jan. to Sept. ...	12,953,226	12,310,915	12,314,652

Almost every item in this group denotes progress, which in a year of depression in the cotton and iron trades is somewhat surprising. The exports of drugs and medicinal preparations show up wonderfully well this year, the figures recording a gain of 114,518*l.*; the total exports being 1,247,643*l.* (including 40,180*l* for quinine). This item has enjoyed quite a revival in export business of late, India having been a better buyer. As a fact, the exports are even larger than in the "boom" year of 1907, and for the nine months are as follows:

	1907	1908	1909
	Oz.	Oz.	Oz.
British exports ...	805,224	534,504	960,862
Re-exports ...	311,969	62,547	144,55[illegible]
Imports	1,893,786	999,238	1,830,203

The above figures indicate that the consumption of quinine continues to increase, and there is probably more profit attached to its sale than some people are disposed to allow, as the average cost of the imports this year works out, on the declared values, at almost 7½*d.* per oz., whereas the average value of British exports is a trifle over 10*d.* per oz. Last month, however, the 149,691 oz. of British quinine exported was valued at 6,649*l.*, or practically 10⅔*d.* per oz., showing a better average still. On the whole the chemical figures are cheerful, those relating to alkali compounds showing substantial gains on the year; this applies especially to soda compounds, bleaching-materials, and "all other kinds of chemicals." It is to be hoped that progress during the remainder of the year will be accelerated, so that the eight-million decrease in manufactured exports may yet be wiped off. Certainly, the chemical-trade has done its share.

More Revenue Statistics.

In dealing recently with the Annual Report of the Commissioners of Inland Revenue of the United Kingdom, we left for consideration some general statistics which deserve mention, as they serve to show that this old country is not in so bad a way as some folk say. First, the revenue from death-duties may be referred to graphically :

Fortunes.

The Fortunes left by death were valued at					£301,889,135
19,481 estates were of less value than					£300
9,640	,,	,,	between	£300 and	£500
10,729	,,	,,	,,	£500 ,,	£1,000
17,266	,,	,,	,,	£1,000 ,,	£10,000
2,328	,,	,,	,,	£10,000 ,,	£25,000
136	,,	,,	,,	£100,000 ,,	£250,000
50	,,	,,	,,	£250,000 ,,	£500,000
15	,,	,,	,,	£500,000 ,,	£1,000,000
9	,,	,,	,,	£1,000,000 ,,	£3,000,000

Nowadays not only is more money saved, but there are more people saving it. Thus in 1898-99 7,392 people left between 500*l.* and 1,000*l.*, 14,379 left between 1,000*l.* and 10,000*l.*, and 2,253 between 10,000*l.* and 25,000*l.* Between that and 500,000*l.* the numbers of individuals are slightly less. Above the half-million there were twenty-five estates in 1898-99, compared with twenty-four last year; but whereas in the former period the total was twenty-two millions, last year showed two millions more in twenty-four estates of over half a million. The record year, however, was 1906-7 when estates in this class were valued at forty-seven millions. The statistics show a better distribution of wealth—*i.e.*, increasing numbers of small fortunes. We now take Inhabited House Duty as indicative of the comfort of the people, 1907-8 being the latest year for which statistics are available, and this is compared with 1898-99 :

Comforts.

Class	Increases, 1907-8 over 1898-99			
	Number	Per Cent.	Annual Value	Per Cent.
			£	
£20 and under £25 ...	99,971	28.1	2,209,605	28.8
£25 ,, ,, £30 ...	59,537	23.4	1,605,289	24.0
£30 ,, ,, £41 ...	94,639	21.9	3,225,044	21.7
£41 ,, ,, £50 ...	32,740	31.3	1,454,931	31.1
£50 ,, ,, £61 ...	24,066	16.1	1,288,996	15.9
£61 ,, ,, £80 ...	13,050	16.7	884,222	16.4
£80 ,, ,, £100 ...	5,949	11.2	532,076	11.6
£100 ,, ,, £200 ...	4,609	5.2	682,775	6.0
£200 ,, ,, £500 ...	1,486	4.7	493,161	5.6
£500 ,, upwards ...	782	12.7	1,119,321	18.1

The total annual value of houses charged with duty has increased from 78,360,945*l.* to 92,543,805*l.*, and, besides, 114,719,106*l.* of annual values are exempt. The duty is charged in Great Britain only. The number of residential shops charged was 301,084, compared with 290,056 in 1898-99, an increase of 2.6 per cent. only. Middlesex, Essex, and Surrey showed the greatest increases, and Scotland a decrease (4.8 per cent.) in that respect. The figures for Income-tax are also for 1907-8, but we may note that the net receipts were 33,708,541*l.* in 1908-9 against 31,860,380*l.* in 1907-8, so that the following figures will be bettered :

Incomes.

Gross income reviewed	£946,578,997
Comprising—	
Lands, houses, and other property ...	234,487,770
Farmers' profits...	17,380,178
Government securities	48,215,294
Businesses, professions, etc....	374,790,950
Railways, mines, gasworks, etc.	143,970,367
Salaries of cost, etc., officials	97,734,438

Income-tax was paid on 652,886,576*l.* net, compared with 548,229,450*l.* net and 762,667,309*l.* gross in 1898-99, when the rate was 8*d.* in the pound. In the nine years incomes from businesses have increased from 304,320,770*l.*, or 23.2 per cent. The following figures show the numbers of assessments in the United Kingdom :

—	Total	Per Cent.
Metropolis	122,724	21.42
Rest of England	350,805	61.24
Scotland	75,686	13.21
Ireland...	23,651	4.13
	572,866	100.00

These are people who have over 160*l.* a year. The reverse is supplied in the old-age pensions report. On March 31 there were 647,794 people seventy years old or more in receipt of pensions, and of these 582,565 were certified to be in receipt of less than 21*l.* a year.

A Happy Thought.

The non-occurrence of the annual whip-up for the Pharmaceutical Benevolent Fund in the shape of an election for annuitants has brought us an exceedingly happy thought from "Xrayser"—viz., that there should be an annual election, from among subscribers who are not on the Pharmaceutical Council, of a few members of the Benevolent Fund Committee. This would create all the interest that is necessary, and would relieve the poor candidates for annuities of the strain of a contest. The suggestion could be carried out constitutionally under the by-laws of the Society. The Council is not so much in the habit of appropriating *C. & D.* ideas as another department of the Society, and it would give us pleasure to learn that "Xrayser's" happy thought would lead to a reform and widened interest in this admirable charity.

New British Consul for Berlin.

The announcement that a change is to be made in the post of the British Consul-General in Berlin, and that Dr. von Schwabach is to be replaced by Mr. Harry Boyle, now Consul and Oriental Secretary to the British Diplomatic Agency in Cairo, is a step in the right direction. It is to be hoped that this is but the beginning of a movement gradually to fill such important posts with Britishers, as there is a widespread feeling that Anglo-German commercial rivalry makes it imperative that at the great commercial centres representatives of this country should be British-born. How could an unsalaried Consul, such as Dr. Schwabach, who received 35*l.* per annum in fees, be expected to promote British trade in any way? The doctor, who is a well-known banker, admits that there have been occasions when his interests have been in conflict with those of Britain. The Berlin Consulate is only one example of a foreigner filling such posts.

Medicine-stamps.

The Board of Inland Revenue have been in the habit of furnishing us on request with the numbers of patent-medicine stamps at the various rates of duty issued during the fiscal year. We now learn that the compilation of such statistics has been discontinued, so that we shall be unable to publish them in future. This we regret, for although it cannot be claimed that the statistics were essential for trade purposes, they were interesting and in one respect, at least, useful as showing that the increase in sales of stamped medicines was due to the sizes requiring more than the 1½*d.* stamp. The deduction from this has been that it does not nowadays pay to introduce 1*s.* 1½*d.* medicines, the advertising outlay being so great that 2*s.* 9*d.* sizes must be sold. The last year for which the figures are available (1907-8) showed, however, an exceptional increase in 1½*d.* stamps, 33,037,202 having been sold, against 31,613,388 in 1906-7, which was far above the average of this century. The 3*d.* size increased slightly, but the 6*d.* size decreased by over 63,000, so that as the statistics leave off it is not proven that the 1*s.* 1½*d.* size of "patents" does not pay, or that the 2*s.* 9*d.* size is necessary for the profitable introduction of a new proprietary. Manufacturers' books may show a different story. Will someone unbosom himself on the subject?

Winter Session of Chemists' Associations.

Brief Records.

Great Yarmouth.—The Pharmaceutical Association of this town opened its winter session at 156 King Street on October 7, when there were present Messrs. J. S. Shearman (President), Male, Palmer, Hill, W. G. Poll, Goddard, Drabble, and Richmond. Mr. W. G. Poll was re-nominated as Divisional Secretary to the Pharmaceutical Society. It was decided to subscribe to the Pharmacists' Representation Committee. Ipswich was congratulated on forming an association.

Oldham Pharmaceutical Association.—The winter session was inaugurated on October 12 with a "whist-drive" at the Café Monica, when there was a representative gathering of pharmacists from Oldham, Shaw, Uppermill, and Failsworth. The games were closely contested, the winners being: Ladies, Mrs. H. Gartside and Miss Brelsford; gentlemen, Mr. Jones and Mr. Davenport. The prizes were presented by Mr. Shaw (the Vice-President), who acted as M.C.

Leicester Chemists' Association.—The first number has been published of "The Leicester Pharmacist," the official organ of the Association. It consists of eight pages of cyclo-styled matter and a cover, upon which are printed advertisements from local houses. The journal is to be published monthly during the winter session, and will be sent free to members. The idea is that members who are unable to attend the meetings will still be kept in touch with the Association. The Athletic Club and assistants are to have corners allotted to them, and there is one "selected" formula.

Bolton Chemists' Association. The annual meeting of this Association was held on October 7, when the accounts for the year were passed. Mr. Percy Knott was requested to continue in office as Divisional Secretary for another year. Messrs. Rothwell (Chairman), Wigglesworth, and Johnson, with the Secretary, were elected as the committee of the Association, Mr. Rothwell being appointed to act on the Pharmacists' Representation Committee. The arrangements for the proposed social evening were left in the hands of the committee, November 10 being suggested as the date.

The Stockport and District Pharmacists' Association opened their session with a social evening at the County Restaurant, St. Petersgate, on Wednesday, October 6, the President and Mrs. Orrell being the hosts. A large number of the members were present. A programme of songs and pianoforte solos was gone through, and during an interval refreshments were served. A hearty vote of thanks to the artistes was proposed by Mr. Bennett, seconded by Mr. Nicholson; and a similar compliment was paid to Mr. and Mrs. Orrell, on the motion of Mr. Wilson, seconded by Mr. Bowden.

Bristol Assistants Dine.—The first annual dinner of the Bristol Branch of the National Union of Assistant Pharmacists was held at the Bristol Restaurant, Wine Street, on Thursday, October 7, Mr. Hines in the chair. Between twenty and thirty sat down, and after dinner the loyal and professional toasts were honoured, Mr. Dowty giving "The Pharmaceutical Society," and Mr. Grant replying. "The Union" was submitted by Mr. Williams and acknowledged by Mr. Findlay. Mr. Branson gave the toast of "The Chairman." A musical programme was rendered by Messrs. Newton, Radford, and Welch.

Huddersfield Chemists' Association.—The annual meeting was held on October 12, Mr. R. C. Walshaw (President) in the chair. The following officers were elected: President, Mr. S. Stephens; Vice-Presidents, Messrs. Walshaw and Wood; Hon. Secretary and Treasurer, Mr. J. Cooper; representatives to the Federation, Messrs. Calvert and Broadbent. A long discussion arose on the advance in price of Elliman's embrocation and Angier's emulsion. It was contended that there had been no advance in spirits or commodities to warrant the increase, and as the price could not be raised to the public the distributors suffered. The proprietors of the two articles mentioned are to be written to.

Croydon Pharmacists' Association.—A meeting of this Association was held on October 13 in the assembly room of the Greyhound Hotel. There was a good attendance, those present including several medical practitioners. Mr. H. Paget Matthews (President) introduced Mr. Maben, F.C.S., of Messrs. Parke, Davis & Co., who gave an address on biological and bacteriological preparations used as remedies for diseases caused by bacilli. The bacilli of anthrax, tuberculosis, tetanus, erysipelas, diphtheria, and fevers were shown as lantern-slides, and the means of obtaining the vaccines, serums, and antitoxins were explained. Views were also given of various departments of the Hounslow laboratory, as well as the works at Detroit.

Guildford Pharmacists' Association.—The annual meeting of the members was held on October 6, when Mr. A. J. Gower, of Cranleigh, presided.—The financial statement, showing a balance of 3*l.* 1*s.* in hand, was adopted.—Mr. Henry Wiles, of Haslemere, was appointed to a vacancy on the committee due to Mr. E. Gane Inge having left the district. The other members of the committee were re-elected, as was also Mr. J. H. Mather as Secretary, he also being re-nominated as Divisional Secretary for the Pharmaceutical Society.—The Secretary called attention to the Pharmacists' Parliamentary Representation Committee, and 3*l.* 10*s.* was subscribed towards it by members present, besides other sums promised. It was resolved that the discussions at future meetings shall be on topics in the current trade journals.—Four new members were elected.

Halifax Chemists' Association.—The monthly meeting of this Association was held on October 12. The members present were Messrs. H. C. Brierley (President), W. E. Smithies, W. R. Black, C. Fielding, W. R. Fielding, P. W. Swire, J. E. Binns, B. C. Hodgson, W. Lumb, and R. V. Sutcliffe (Secretary). Mr. W. Lumb (Sowerby Bridge) was elected a member. The cutting prices at which Antexema is sold by drug-stores, etc., were referred to, and a letter was sent to the proprietors asking them to place their preparations on the P.A.T.A. A resolution was also passed expressing disapproval of the action of Messrs. Ellimans in raising the price of their embrocation. The Secretary was requested to write to the Pharmaceutical Society, inquiring what action, if any, has been taken with respect to the indiscriminate granting of poison-licences.

Lancaster.—A meeting of the Lancaster and District Chemists' Association was held at the King's Arms Hotel on Thursday, October 7. Messrs. Angus, Bate, Gorst, Jackson, J. B. Shattock (Secretary), Maxwell, Taylor, Vince, Parker (Morecambe), and Porteous (Carnforth) were present. Mr. J. Vince was voted to the chair, and was nominated for re-election as Divisional Secretary of the Pharmaceutical Society.—The Secretary gave a short report of his attendance, as delegate from the Association, at the autumn meeting of the National Chamber of Trade at Liverpool, and afterwards moved that "This Association is of opinion that it is highly desirable in the interests of individual traders (including pharmacists) that a Lancaster Chamber of Trade be formed as early as possible." He read a letter from Mr. R. C. Walshaw, of Huddersfield, supporting the movement, and after some discussion the motion was carried, and a committee, composed of the President, Secretary, Treasurer, and Mr. A. Bate, was appointed to carry out the preliminary arrangements.—The Chairman then left to catch a train, and Mr. S. Parker presided during the remainder of the meeting.

Sheffield.—Mr. Percy Carr was on October 12 elected President of the Pharmaceutical and Chemical Society. Mr. Carr was elected to the same position at this time last year, but resigned a month later, along with Mr. J. Gilbert Jackson, the senior Vice-President, the reason being that "they could not continue in office without the full support of the Council." The recent election has converted last year's minority into a majority, and Mr. Carr accordingly returns to office. The meeting was held at the Temperance Hall, Townhead Street, among those present being Messrs. H. Antcliffe (in the chair), J. Austen, J. T. Appleton, J. Chadwick, B. Ellis, J. G. Jackson, F. Medley, J. B. Pater, and H. G. Williams. The other officers elected were: Vice-Presidents, Mr. J. Gilbert Jackson, Mr. H. G. Williams; Treasurer, Mr. J. Thompson Appleton; Hon. Secretary, Mr. J. Chadwick; Librarian and Assistant Secretary, Mr. Bernard Ellis; Auditors, Mr. J. Elsworth Alcock, Mr. E. W. Smith.

Mr. Percy Carr.

Exeter Association of Pharmacists.—A meeting was held at 27 East Southernhay, Exeter, on October 27, Mr. H. Wippell Gadd (President) in the chair. Mr. David Reid was re-nominated as Divisional Secretary to the Pharmaceutical Society.—The President briefly reported on the meeting of the British Pharmaceutical Conference at Newcastle-upon-Tyne, then called attention to Section 4 (*b*) of the Poisons and Pharmacy Act, 1908, which gives power to the Pharmaceutical Council to make by-laws enabling them to admit to the register, without examination, military

dispensers, certified dispensers to apothecaries, and other persons who produce evidence satisfactory to the Council that they are persons of sufficient skill and knowledge to be so registered. He objected to apothecaries' assistants being registered without further examination, and the members unanimously agreed with him. They could not conceive that the Pharmaceutical Council would entertain such registration, and would be willing to do anything in their power to strengthen the hands of the Council if pressure were brought to bear upon them to make such by-laws.—The Chairman also called attention to the regulations concerning weights and measures which came into force on October 1. The opinion was expressed that the requirements for scales for counter-use by chemists and druggists were unduly stringent, and the members were gratified to learn that the President of the Pharmaceutical Society proposed to approach the Board of Trade with reference to the matter.

Chemists' Assistants' Association.—The opening meeting of the thirty-third session was held at 73 Newman Street, London, W., on Thursday evening, October 7, Mr. F. L. K. Loxley (the new President) being in the chair. After several new members had been proposed, the President presented the essay prize for last session to Mr. S. Furnival, Ph.C. The prize consists of the Association's silver medal, and a copy of Remington's "Pharmacy," and a cheque for 5*l*. presented by Messrs. Burroughs Wellcome & Co. The President commented upon the lack of competition for this prize, and also remarked that no entry had been made in the practical portion of the competition. He then delivered an address, first giving a tribute to his predecessor in the chair (Mr. R. H. Brittain), after which the objects of the Association were dealt with. Rule 1. of the Association aptly expresses these, which are the promotion of social intercourse and the discussion of subjects tending to the welfare of pharmacy. He showed how an assistant by joining the Association has opportunities, not otherwise possible, of meeting his fellow assistants, and he can hear papers by prominent pharmacists dealing with his particular profession, from which he is bound to derive profit. Unconsciously he gains self-education by contact with men of riper experience and larger views, and if he has a hobby can extend his own knowledge and that of his fellow members by searching records and reading a paper on the subject. The impromptu debates held by the Association teach him confidence and how to express his thoughts and views. The President appealed for active members and aid in obtaining new associates. He felt certain that with over 200 members the Association would be in the position to run a social club, which is urgently needed. A cordial vote of thanks was returned to the President for his address, and at the close a successful impromptu smoking-concert was held.

St. Vincent's Association.—The fourth annual dinner of this Association of representatives of firms who are accustomed to exhibit at chemists' and medical exhibitions, was held at the Café Monico on Thursday evening, October 7, when Mr. Lionel Cooper (Chas. H. Phillips Chemical Co.) presided over a company numbering ninety-seven. Mr. Bailey (Secretary), Mr. A. Proctor Atkinson, and Mr. Sydney Jamieson presided at the spur-tables. Among those present were Mr. Arnold Baiss (who brought with him his son-in-law, Lieut. Patrick Spencer, R.N.), Messrs. Martin and Dixon (of Maws), Massey (of Meggesons), H. Hickey (of Parke, Davis & Co.), Presant (of Sangers), Royle, jun. (of Ingram & Royle), Peters (of Jeyes), Daniels (of Baiss Bros. & Stevenson), Green (of A. & M. Zimmermann), and Davis (of Arnolds). An exceptionally good dinner was served, and after it, when the King was toasted from the Chair, Mr. Jamieson sang "God save the King"—this being the beginning of a very good programme of music, to which Mr. J. D. Jamieson, Mr. G. Duncan Bowie, Mr. Wilson James, Miss Ruby Wilson, and Mr. Pinto Compton contributed. The toast of "The Association" was given by Mr. Guy Elliston, who mentioned that during its five years' existence it had increased from twenty to 200 members, and had been of great service to the members, for its aims are benevolent as well as social, and in more than one instance situations had been found for members by their *confrères*. Mr. Cooper, in acknowledging the toast, reported on the progress during the year and mentioned that they had received 200*l*. for one of their afflicted members, and another member had obtained an excellent situation. Thus, although the St. Vincents did not profess to be saints, their objects were saintly. After "The Press" had been honoured, Mr. Bailey submitted the toast of "The Visitors" in a neat speech, which was acknowledged by Mr. Norman Flack. Then Mr. Harry Hickey, in his best Parliamentary manner, gave the toast of "The Chairman," who replied in a few words, and a happy evening concluded in approved style.

Newcastle-upon-Tyne Pharmacists' Association.

The thirteenth annual meeting of this Association was held on October 13, at the Hôtel Métropole, Clayton Street West, Newcastle-upon-Tyne, Mr. T. Maltby Clague presiding. Among those present were Messrs. G. Foggan, W. Kerse, J. Dakers, R. Cubey, W. Pescod, W. Buckley, J. Gibson, W. R. Gray, J. Crake, F. Gilderdale, C. Russell, R. Hepworth, T. Herd, R. McClumpha, H. W. Noble, R. U. Lord, and W. Atkins.

Reports.—The Treasurer (Mr. Kerse) presented the financial statement, which showed a balance in hand of 7*l*. 16*s*. 4*d*. The Secretary, in his report, reviewed the work of the year. The membership of the Association stands at eighty. Both reports were adopted.

Election of Officers.—The officers elected for the coming year were: President, Mr. Walter Buckley; Vice-Presidents, Messrs. Clague, Gilderdale, Foggan, Ridley, Wright, and Russell; Hon. Treasurer, Mr. W. Kerse, re-elected; Council, Messrs. Cubey, Gibson, Noble, Dean, Gray, McClumpha, Crake, and Lord; Auditors, Messrs. Whitehead and Atkins; Hon. Solicitor, Mr. C. E. Layne; Hon. Secretary, Mr. W. Pescod, re-elected; Parliamentary Committee, Messrs. Wright, Gilderdale, Ridley, Russell, Clague, Pescod, and Layne.

It was agreed to send the usual subscription to the Federation of Local Pharmaceutical Associations.

Mr. Buckley then delivered his presidential address.

Nottingham Chemists' Association.

Mr. W. Gill presided as Vice-President at the first meeting of the winter session of this Association on October 13. There was a good attendance of members, including Messrs. F. Ross Sergeant, A. Middleton, A. E. Beilby, R. Widdowson, C. A. Bolton, A. Eberlin, C. F. Carr, N. Ellis, W. Meakin, H. Brown, S. Royce, S. H. Plattin, H. Smith, H. P. Middleton, W. French, H. C. Prince, and T. Freeman and E. E. H. Turton (Secretaries).

Scales and Weights.—Mr. Gill read a paper on "The New Board of Trade Regulations Regarding Scales and Weights," in which he contended that the new standard required for chemists' scales is too high for practical purposes except at the dispensing-counter.

"Betterment of Pharmacy."—This was the title of a second paper by Mr. Gill. He said that, judging by the number and character of youths who aspired to enter the ranks of the chemists, pharmacy now fails to attract the type of youth likely to perpetuate the high standard of the calling. Unfortunately for pharmacy, although the number who are entering it in the orthodox way is decreasing, there is, especially in working-class districts, an increasing number of dealers in drugs whose presence is inimical both to the public well-being and the credit of the craft. In his own district in a certain period nine chemists' shops have been closed and five new ones opened. Seven businesses of the drug-store type, which are often managed by unqualified men, have come into existence. The number of qualified chemists is not keeping pace with the natural increase of population, while drug-stores are becoming more numerous. Mr. Gill suggested three courses with a view to making pharmacy more attractive to the rising generation: (1) shortening of the hours of service, (2) increasing profits, and (3) an active combination for their mutual advancement.

Mr. Beilby was of opinion that it had been a mistake to stiffen the Preliminary examination. He could not recommend boys who have passed the second-class Preceptors' to come into the business, because there are so many more openings, much more lucrative, for such youths.

Manchester and North of England Optical Society.

The Annual General Meeting of this Society was held on October 6, at the Albion Hotel, Manchester, Mr. J. C. Kidd (President) in the Chair.

Annual Report.—The Secretary read his annual report, which showed that the Society has a total membership of fifty-eight.

Election of Officers.—Mr. J. C. Kidd was re-elected President. The other appointments included Vice-Presidents, Messrs. G. Bennett, R. T. Forbes, and C. W. Lloyd; Hon. Treasurer, Mr. I. Slater; Hon. Secretary and Librarian, Mr. Alf. Hershberg.

Optical Progress.—The President then gave an address, which was devoted to a review of the origin and

aims of the craft. He dealt with the part played by the Worshipful Company of Spectacle-makers following the establishment of the British Optical Association and the issue of diplomas; referred to the action of the two bodies, when the Medical Acts Amendment Bill was before Parliament, to secure the elimination of a clause which, if passed, would have allowed only medical men to deal with cases of imperfect vision; and to the winding-up of the Board of Opticians after the futile attempts made to raise the necessary funds for the promoton of its Sight-Testing Bill. During the last ten years a number of optical organisations have sprung up, and while each is no doubt accomplishing useful work in its own sphere, he thought those present would agree with him that any progress towards the realisation of their desires in the matter of legislation, or of recognition as a profession, could only be achieved by the combined efforts of these organisations. It did not follow that although a previous attempt in this direction did not meet with the success anticipated, they should give up in despair. The diplomas opticians at present possess can only become of real value when the bodies which granted them receive State recognition. Some years ago, proceeded Mr. Kidd, a Trades Council was appointed to confer with the Court of the Spectacle-makers' Company on matters pertaining to the trade, but the method of its appointment was open to criticism, inasmuch as the members of the trade which they were to represent had no voice in the selection of such representatives. So far as he knew, this Committee (most of whom were now liverymen of the Company) had done nothing to justify their appointment. And so long as this apathetic condition of affairs exists opticians are not likely to make any progress either in promoting optical legislation or in raising the status of the industry. It therefore remains with those engaged in the industry to take steps to organise and support some scheme which would have the combined support of all concerned. When that had been accomplished the appointment of an examining body could be settled either by the State or the trade itself. (Applause.)

A good discussion followed, and Mr. Atkinson gave notice that at the next meeting he would move a resolution on the subject.

London Chemists' Association.

A General Meeting was held in St. Bride Institute, Ludgate Circus, London, E.C., on October 13, Mr. F. W. Truman in the chair. Among those present were Messrs. Brown, J. C. Pentney, J. Wellesley Douglas (Hon. Secretary), W. Sharman, H. Slator, and W. J. Talintyre. The chief business was a communication by the Hon. Secretary (Mr. J. Wellesley Douglas) showing

How to Get the Annual Subscriptions Back.

Mr. Douglas said he was struck by the number of associations in existence or contemplated for the benefit "of the trade of a pharmacist," which surely has more organisations than any other calling to look after its welfare. Yet he supposed no other trade repays its workers so badly, is more harassed by legislation and petty prosecution, or works longer hours and engages in such trivial transactions. Unless some fundamental change takes place in the practice of medicine, retail pharmacy is practically done for. A Parliamentary Secretary will stand no chance of preventing dispensing by medical men, and if he get into Parliament, one direct representative, who will meet with a certain amount of suspicion, will not avail much. There is work for a Parliamentary representative to do to defend the established customs of the trade—counter prescribing, a practice he did not defend, but which the public would be loth to depart from in regard to minor ailments. The recent Act is likely to be the last pharmacy legislation for some time to come, and Mr. Douglas was not quite sure that if there had never been restrictive legislation regarding the sale of poisons pharmacy would not be infinitely more remunerative, and chemists, instead of being afraid to sell a pennyworth of poison, would be pleased to deal in them in respectable quantities. The main purpose of this Association, social intercourse, had been sadly embraced, and the subscriptions go mainly in postage and printing. Although the social gatherings and the work done by the Parliamentary Committee had been value for the annual fee, he felt that the time had come when the Association might proceed on other lines which would bring back at least that subscription, not by inference, but in solid fact. Mr. Douglas's scheme, which was stated not to encroach upon any existing organisation, is as follows:

> That this Association becomes the owner of the goodwill and controls the rights of a number of proprietary articles, with or without registered trade-marks. Small articles, the sale of which is usually dependant upon the chemist. The work of packing the articles to be left to the individual member or by arrangement with some respectable wholesale house. The formula, the get-up, and the title being the work of a committee of this Association. The showcards and printed matter only being distributed at a price which, being infinitely less than an individual could purchase them himself, would yet yield a profit to the Association.

An instance was given of headache-powders. An order to be distributed over 200 members for 1,000 showcards would cost less than a penny each, and 200,000 wrappers 1s. per 1,000. Mr. Douglas considered there is nothing to prevent the method being multiplied indefinitely. The sale of packed drugs by chandlers was next touched upon, and Mr. Douglas stated that "if we are driven to sell penny or twopenny bottles of cough mixture, for pity's sake do not assist in promoting the sale of a preparation which may even be prepared by a member of this Association." The chemist does not realise the extra wages he pays annually in buying packed goods, and if special packing were essential, some wholesale house would easily overcome that difficulty. The scheme possesses untold possibilities, he said. It is simple, the capital required is small, and the expenses infinitesimal. A limited liability company, with a capital of 500*l.*, would be the best means to embrace the objects of the scheme.

Mr. J. C. Pentney followed with reports on the British Pharmaceutical Conference and the Federation of Local Pharmaceutical Associations. He expressed the hope that the Conference would take up the work of the Federation. Mr. Pentney was also to report upon the U.C.A.L. scheme, but he did not go into details as he is not now associated with it, saying that a letter stated that a factory had been acquired in Sheffield about which the writer had rosy views. Concerning Mr. Douglas's proposition Mr. Pentney, after disclaiming any concern in its inception, thought the views were ably and thoughtfully expressed, and worthy of further consideration. The Chairman said that chemists were not gregarious and trade jealousy not yet extinguished, and the scheme would require tact in its working. Its best point was that the chemist put up the preparation himself. Mr. Sharman held out for individuality in the chemist's preparations. It was decided unanimously to refer the scheme for consideration to a small committee.

Dublin Retail Drug Association.

A Well-attended Meeting of the members of this newly formed Association was held on October 11, in the Examination Hall of the Pharmaceutical Society of Ireland, 67 Lower Mount Street, Dublin. Sir Thos. W. Robinson (President of the Association) occupied the chair, and there were also present Dr. J. A. Walsh (Vice-President), Mr. J. R. Middleton (Hon. Treasurer), Mr. V. E. Hanna (acting Hon. Secretary), and Dr. J. A. Mitchell, and Mr. J. P. Alister (Hamilton, Long & Co.), Messrs. D. M. Watson, H. C. Thackeray, P. T. Cosgrave, T. J. Montgomery, Robt. J. Savage, George Lee, J. C. Scott (Greystones), R. White, W. Willis, C. Troughton, J. A. Ray, T. J. Hoey (Rathmines), George Brown, G. D. Beggs (Dalkey), A. J. Cahill, F. J. Jackson (Terenure), J. H. Boardman (Inchicore), R. S. Conyngham, W. Gore, M. J. Foley, Hyacinth D'Arcy, Ignatius J. Keogh, and W. H. Ashmore.

Membership.

Mr. Hanna, acting for the Hon. Secretary (Dr. Barnes), who was unable to be present, read a number of apologies for absence, and announced that of the 117 chemists in the city and suburbs, 77 had consented unreservedly to join the Association, and 13 had done so provisionally—in all 90—while 5 had declined, and 22 had not replied.

The President said that the result of the appeal to the chemists of Dublin and suburbs had been most satisfactory, and was conclusive proof that the Association represented the drug-trade of the city and suburbs. (Hear, hear.) Those who had not replied could scarcely be said to be connected with the trade, some of them being doctors with surgeries for making up their own prescriptions.

PRICE-LIST.

Continuing, Sir Thomas said it was for the meeting to confirm the resolution previously come to to form the Association. If they decided to go on, the meeting then would have to confirm the appointment of the officers and committee, and it would be the duty of the committee to draw up a scale of prices on the basis of either the Liverpool price-list or the Belfast price-list, or both combined. In fixing a price-list, it ought to be clearly understood that the prices are those that chemists would not sell under, because there are cases where chemists have to give long credit, and it would not pay them to charge the prices, and in certain localities the higher prices could be charged. What that Association had to do was to prevent cutting in prices, and to arrive at some understanding as to the proper charges to make. At present there was too much variety in the prices, and if they settled the prices they would find at the end of the year they would be so much the better off. The Chairman then invited the views of those present as to whether the Association should proceed or not, and asked for suggestions that might help the committee in discharging their duties.

Mr. Beggs said the Belfast Association had a very good list for patents.—Dr. Walsh said the only objection to the Belfast list was that there were a good many things on it that were not required in Dublin.—Mr. Beggs said they could eliminate from the Belfast list what they did not require in Dublin.—Dr. Walsh thought the Liverpool list was the one they should adopt.—The President said the first thing to do was to decide whether the Association was to go on or not, and, having done that, and having confirmed the appointment of the officers and committee, a price-list would be drawn up by which they would all abide. For himself, he would say that the moment a price-list was adopted it would be at once put in force in all the houses of his firm. (Hear, hear.) He believed the members would find that the thing would be easy enough to work if it were properly started.

Several members spoke as to the necessity of having the Association, and

The President then said it was clear that the voice of the meeting was unanimously in favour of the continuance of the Association. (Applause.)

OFFICERS ELECTED.

On the motion of Mr. Beggs, seconded by Mr. Brown, Sir Thos. W. Robinson was elected President, Dr. Walsh Vice-President, Mr. Middleton Hon. Treasurer, and Dr. Barnes Hon. Secretary. The committee of twenty-one members (whose names have been already published in *C. & D.*), were then elected, with the exception that Mr. Oliphant (Drumcondra) takes the place of Mr. Burdett (Kingstown).

THE MEETING-PLACE.

A discussion took place as to whether the Association should rent a house of its own, or meet in the Pharmaceutical Society's House. Ultimately it was decided that the Pharmaceutical Society should be asked to extend their hospitality to the Association for a year.

A discussion took place on the question of discounts, and this was left to the committee, who will also draw up a price-list.

Women Pharmacists' Association.

THE FIFTH ANNUAL MEETING was held in the Pharmaceutical Society's House, 17 Bloomsbury Square, London, W.C., on Friday evening, October 8, when there was an exceptionally large assembly of ladies, the audience numbering about 200. The special object of the meeting was to hear a lecture by Miss May Thorne, M.D., on

THE POWER OF LITTLE THINGS.

As is customary, the President (Miss Margaret E. Buchanan) made a few preliminary remarks in regard to the progress of the Association, especially mentioning the insurance scheme for the creation of annuities. In this a woman of twenty-four pays 2*l.* 10*s.* 11*d.* a year and gets a pension of 10*l.* a year at fifty, and so on in proportion to the premium. Miss Thorne, on rising to address the audience, was well received. She said she had had difficulty in selecting a subject, but a few examples of the power of little things in the domain of pathology was what she had finally selected, and she thought it would be useful to women engaged in pharmacy. She first spoke about various kinds of micro-organisms which induce disease, particularly about the ravages of tuberculosis, which accounted for 56,103 deaths in England and Wales in 1907. One-tenth of the total cost incurred in the relief of pauperism in England and Wales is caused by consumption—this representing over one million sterling spent only on paupers who are made so by consumption. In the United States the disease is even more disastrous in its effects—thus it causes New York City a financial loss of 4,600,000*l.* per annum. Miss Thorne emphasised the fact that the disease is one which attacks people at the times of life when they are most useful to themselves and to the community.

"If," she said, "one could impress upon people that the free gifts of pure air and sunshine are the two greatest factors in fighting this little bacillus, and that the next two factors—freedom from dust and the provision of good food—are not far behind, we should have gone a long way to become victorious in the battle against tuberculosis. Good food could more readily be obtained were such valuable lives and vast sums of money not wasted through the agency of this powerful 'little thing.'"

Plague was the next subject treated, the remarks made as to its ravages in India being culled very largely from a "British Medical Journal" paper by Lieut.-Colonel Buchanan, I.M.S., including interesting remarks regarding the spread of plague by the fleas that infest rats, and the utility of cats as plague-preventers, since they kill rats. Miss Thorne then dealt with malaria and the mosquito as the host of its amœba, and from that went on to speak about the common house-fly acting as a carrier of typhoid (enteric) fever germs, in this connection making some exceedingly interesting observations about the loss through typhoid among the British troops during the Boer War. At the hospitals at Bloemfontein it was noticed that flies would pass over patients suffering from anything else but typhoid and would settle upon typhoid patients. There is no doubt in the minds of many observers that the fly thus becomes a carrier of typhoid, and it is important that vessels containing milk, drinking-water, and the like should be covered with muslin any time that flies are about. "Lions and tigers," said Miss Thorne, "kill units, flies and mosquitoes kill thousands, but microbes kill tens of thousands. Here we have an example of the power of little things." Next she spoke about the prevention of big epidemics by small measures, taking as her illustration of this inoculation with cow-pox as a means of preventing small-pox. Then she showed how a slight change in the molecular condition may be followed by very great change in results. Thus the difference between calomel (Hg_2Cl_2) and corrosive sublimate ($HgCl_2$) is one molecule of mercury, but we all know how toxic one chloride is compared with the other. Finally Miss Thorne spoke about the duties of women pharmacists, saying in this regard:

"You must often be interested, perhaps at times saddened, or even amused, at the mistakes that are made in little matters in the prescriptions sent to you, but which little matters make all the difference in the dispensing. How often is it forgotten to be stated into how many pills a pill-mass is to be divided? How often are incompatibles prescribed? I hope you are merciful in your criticisms, and that you do not forget how inadequate (as your President well knows) is the practical therapeutical education of a medical student. Only a few weeks ago, in regretting this inadequacy of his practical knowledge of pharmacy, a well-known surgeon said to me that once he had given a prescription to a patient containing three ingredients of which one was water. Shortly after the chemist rung him up, and, as he said to me, 'You know, I had to alter two of those ingredients, and it wasn't the water.' (Laughter.) I should like to acknowledge the indebtedness that we owe to chemists and pharmacists for their care in dispensing drugs. The need for accuracy in little things is most clearly seen in the pharmacists' way, and I have great respect for the neatness and orderliness of their methods. To those who are taking up posts as assistants, may I say that it is the little things that often are the powerful things in acting for their good in the future? Thus neatness, accuracy, politeness, and willingness to take trouble and to use economy—if only in such commonplace things as paper, sealing-wax, and string—are all powerful factors when the time comes for

promotion in position and pay, and there is no detail too small to be of great value to the employer.

> Say not that this is great and that is small:
> Each task may hold your fate—fulfil them all.
> Deem not the pleasure good, the toil unblest;
> Then we have understood all will be best.

Discussion.

Miss Maynard, Principal of Westfield College, in an eloquent little speech, commended the lessons which had been advanced by Miss Thorne, and counselled women pharmacists to be great and do little things. "Do not," she said, "be little and try to do great things."

Mr. E. M. Holmes said that one thought occurred to him in connection with the subject of the lecture—namely, that little things seemed to fill up the room. He had been curator to the Society for thirty-seven years, but he had never seen the place so full, even on a non-political occasion. He then mentioned that in 1900 he had dried some digitalis-leaves grown by himself and had kept them in a bottle since then. The green colour had been retained, and he had just learned from a Leeds physician, to whom he submitted the specimen along with one of this year's digitalis, that they were equally active.

The President, having made a few comments upon the interest of the lecture, called upon Miss Mulliner to move a vote of thanks and Miss Agnes Borrowman to second it. Both these young ladies acquitted themselves in speech in a manner that is rarely equalled by the men who speak in the theatre.—The vote having been acknowledged by Miss Thorne, the President invited the company to the Examination Hall, where tea and coffee were served in the usual elegant manner adopted by this Association.

Midland Pharmaceutical Association.

The Annual Meeting was held at the University, Birmingham, on Tuesday afternoon, October 12, Mr. A. W. Southall presiding. Among those present were Messrs. Chas. Thompson, F. H. Alcock, F. H. Prosser, F. J. Gibson (Wolverhampton), E. W. Mann, T. Owles, F. Smith, H. Buckingham, and J. A. Radford (Hon. Secretary).

The Annual Report expressed gratification that the Midland Counties were again represented on the Pharmaceutical Council through Mr. Gibson. The books in the library, it was mentioned, are placed in a handsome case at the University and continue to be little used except by a few. Regret was expressed at the death of Mr. G. E. Perry, a former President, and of Mr. J. C. Mackenzie, who had been Treasurer.—The President, speaking of the accounts, said there was a deficiency of over 14*l*.—Mr. C. Thompson, in moving the adoption of the report, said there was no cause for alarm, as with the money outstanding there would not be much of a deficit. For a year of depression in trade, the balance-sheet was as good as could be expected.—Mr. Owles seconded.—Mr. Alcock, referring to an item of 5*l*. 12*s*. for an advertisement in the "Pharmaceutical Journal," said he understood the advertisement was to be published free. It was for the benefit of the Pharmaceutical Society, who were desirous of securing a good candidate for the Midlands, and he saw no reason why the Midland Association should be saddled with the cost.—The President replied that this was going back to rather ancient history. The Midlands were sending an excellent man to London to assist in the well-being of the general body, but they could not expect the whole body of chemists to pay. Otherwise there would never be any competition.—Mr. Alcock said the expenses of the Birmingham Committee of the Society of Chemical Industry were defrayed by the London body. In the case of that Society the members paid 25*s*. a year, and all the local expenses, amounting probably to 30*l*. a year, were paid for them. He saw no reason why the same system should not apply in the Pharmaceutical Society, and then they would not have the constant difficulty in meeting this expenditure. The Pharmaceutical Society should certainly do something for the guinea subscription it received; at present provincial members got nothing for it.—The President said Mr. Alcock was out of order in discussing on the accounts the policy of the Pharmaceutical Society.—Mr. Alcock further complained that those who worked most for the Association were called upon to pay most for its upkeep. Out of about 150 members they only received forty-six half-crowns, and even these were very difficult to collect. Moreover, the Pharmaceutical Society had suddenly withdrawn the gift of the "Journal," which had been supplied for a number of years. The Association had a series of handsome volumes, and it was a pity they should be incomplete. The other day a solicitor who wanted to look up a case connected with pharmacy was surprised to find that the Association had not a complete file of its own trade papers.—Mr. Thompson said he would be happy to supply the *C. & D.* and the "P.J."—Mr. Gibson expressed the opinion that members more than twelve months in arrears should be struck off. It was useless continuing the expense of summoning them to meetings they never attended. The report and accounts were thereafter adopted.

Correspondence.—A letter was read from Mrs. Perry acknowledging the message of condolence forwarded on behalf of the Association on the death of her husband. The Secretary was instructed to send a letter of condolence to the relatives of Mr. Mackenzie.—Mr. H. W. Jones (Coventry) wrote stating that he was giving up pharmacy, and as it was unlikely he should attend any further meetings, he thought it would be better to resign his membership of the Association.—The President said they would be sorry to part with so old and valued a friend as Mr. Jones, and it was agreed to ask him to accept a life membership.

Elections.—It was decided to suggest to the Pharmaceutical Society the election of Mr. J. Wakefield as Divisional Secretary for the Edgbaston district. The following were re-elected members of the Council: Sir Thomas Barclay, J.P., Messrs. F. H. Alcock, F.I.C., F.C.S., H. Buckingham, E. Corfield, F. Stokes Dewson, E. W. Mann, F.C.S., F. Smith (Handsworth), F. J. Smith (Colmore Row), A. Southall, J.P., F.C.S., A. W. Southall, and J. Wakefield. After a tie Mr. D. H. Owles was elected to the twelfth place by the casting-vote of the Chairman, who explained that he gave it to Mr. Owles because the other nominee was not in business in the city.

Pharmaceutical Education.—Mr. Alcock suggested that the Council might consider if something could not be done to improve the facilities for the education of young pharmacists. Now that Birmingham University was being divided—the science departments being removed to Bournbrook and the medical faculty remaining at Edmund Street—the opportunity was favourable. The old University had a first-class teaching staff and was well equipped with machinery, and if representation was made to the Senate something might be done for the provision of classes. If the Council could contribute something towards the cost, it would show they were in earnest in the matter. He suggested that the President should send a circular to pharmacists within a radius of twenty miles of Birmingham asking for their opinions, and that the Pharmaceutical Society should be asked to contribute. A small deputation, consisting of the President, Sir Thomas Barclay, and the Secretary, might meet the University authorities to discuss the whole question. Pharmacy teaching in the district was at a very low ebb. A large sum of money would be necessary to establish a Chair of Pharmacy at the University. The late Mr. John Barclay was deeply interested in the subject, and had he continued he (Mr. Alcock) believed something in that direction would have been accomplished.—Mr. Gibson, the President, and Mr. Thompson also spoke on the subject, and Mr. Alcock undertook to ascertain what is being done at other universities and lay the information before the Council.

The Candidature of Mr. Glyn-Jones for Stepney was mentioned in connection with the assistance promised to the Pharmacists' Representation Committee towards the expenses. At a recent Council meeting it was stated that the sum of 16*l*. was promised, and the President said it was now time to redeem the promise. It was pointed out that Mr. Glyn-Jones had no prospect of success in Stepney, and objection was taken by several members to money being spent there in such circumstances. It was also suggested that another candidate on the opposite side of politics from Mr. Glyn-Jones should be supported at the

same time.—The matter will again come up at the next meeting of Council.

The resignation of Mr. Radford from the secretaryship was mentioned, and the President asked members of Council to think the matter over before next meeting with a view to finding a suitable successor.

North-East Lancashire Chemists.

The Annual Meeting was held at the White Bull Hotel on Tuesday, October 12, Mr. Wm. Holt (President) in the chair.

The Year's Work.

The President said the reports of the year's working were of a fairly satisfactory character, especially considering the absence of that encouragement which an association should receive from its parent Society. The apathy displayed by the Pharmaceutical Council since the passing of the Poisons and Pharmacy Act was deplorable. The title "pharmacist" appeared to have fallen flat, and the Council seem to have done nothing to make it a reality. In the wholesale granting of poison-licences by local authorities to unqualified men, the Council in London had scarcely lifted a hand to try and prevent it. With regard to the adoption of a chemists' candidate to represent them in Parliament, he was advised that when a member represented a particular trade his influence for good was discounted in the House of Commons. The Association's social functions had been successful, and while they had lost a few members during the year, he was hoping that they would rejoin them again before long. The need for an association such as theirs was never more urgent than now. He notified that he could not fill the presidential position another year.

Mr. C. A. Critchley (Treasurer) presented his statement of accounts, and said the year's working showed a small favourable balance. All the thirty-one members had paid up.

Section 2 Licences.

Mr. E. Highton submitted a full report respecting the application for, and the refusal of, a poison-licence to Mr. Freeman. He explained how the President, Mr. Lord Gifford, and others had assisted him as Divisional Secretary in the matter.—Mr. Lord Gifford, in moving the adoption of the report, remarked that poison-licences had been granted all over the country without the discrimination expressly promised by the Government, whose declarations and assurances were accepted by chemists in good faith, and those who negotiated the Bill held them forth as solid advantages secured to the chemist. Obviously either the Government and their representatives meant what they said, or chemists were deceived. Assuming that everything was straightforward, could anyone think of a single reason why they should refrain from doing everything possible to keep the Government to their pledges? If there was a reason for inaction what was it? And why was it not given publicly, or in committee? His Majesty's Ministers could cause the Privy Council to issue an explanatory circular which would do all that was needed, or they could refuse to interfere. If they refused to make good their repeated pledges, it would stamp them as unscrupulous and unprincipled. Why, then, with a weapon like this in their hands, did the persons who managed the affairs of the Pharmaceutical Society refuse to act? He said "refuse to act" because everything humanly possible had been done to avoid doing anything. Mr. Gifford told the meeting what he has attempted to do in vain through the Pharmaceutical Council, and complained that Mr. Philip Snowden was prevented from further action by their own generals! He also considered that a number of members in Parliament are ready and willing to serve chemists, but they had not been utilised as they ought to have been. They were ignored and cold-shouldered when they might be doing chemists great service. On the other hand, a quasi-official body was begging pitifully for funds to help some impossible and Cervantie Parliamentary contest. A "chemists' representative" was too silly for words. Justice was needed—not begging letters. They had every resource necessary without a Parliamentary representative and without extra officials.

Mr. John Rennie seconded the adoption of the report.

In supporting the resolution, Alderman R. Shorrock, J.P., of Darwen, said they were indebted to the members who had carried this matter through. In Darwen they had had no trouble, for no application had been brought before the Council under the Act. When he received word with regard to the effort to get a member into Parliament, he formed the hasty conclusion that it was about as silly as anything he had heard. So far as Darwen was concerned the chemists were agreed that the time had not come when they required a member of Parliament to set forth their views before the House. He did not think the Pharmaceutical Society realised the position to the extent they ought to do. A great many of the members of that body appeared to "play" for selfish purposes, and he failed to see what good could result from such an attitude. He frankly confessed that he had not the same sympathy for the Pharmaceutical Council that he once had. He had come to realise that they did not "spring up" the feelings of chemists in the country as they might do, and chemists, on their part, were not prepared to throw in their lot as they should do. He dwelt upon the importance of being united, and said if chemists would not combine to secure something better for themselves, then they must go to the wall. They had the machinery, the ability and the legislation in their favour, but, somehow, they did not appear to make the use of these which they might do. They were not sufficiently alive to their interests, and they were all content to remain as they were. It was a poor state of things.

The report was adopted, as also was the annual report of Mr. Tomlinson (the Secretary), relating what had been done during the year.

The Officers Elected

for the ensuing year were: President, Alderman Ralph Shorrock, J.P., Darwen; Vice-President, Mr. Wm. Holt; Secretary, Mr. John Rennie, in place of Mr. M. W. Tomlinson; resigned; Treasurer, Mr. C. A. Critchley; and committee, Messrs. J. W. Aspinall, James Gifford, W. H. Grimshaw, E. Highton (divisional officer), Ralph Pickup, W. Standing (Darwen), and N. W. Tomlinson.

Alderman R. Shorrock, J.P., is one of Lancashire's oldest chemists. He has been in business for very many years in Market Street, Darwen, and has taken a keen interest in pharmaceutical politics. His daughter, Miss May Shorrock, is also a pharmaceutical chemist. The Alderman has taken an active interest in local affairs in Darwen, and he has sat on the Town Council for many years. Two years ago he filled the office of Chief Magistrate. He is widely respected, and his appointment has given every satisfaction. He is known to many pharmacists in the country through his regular attendance at the British Pharmaceutical Conference.

Alderman Shorrock.

The re-appointment of Mr. Highton as Divisional Secretary was confirmed, and a vote of thanks was passed to all the retiring officers.

Roumanian Protests.—At a recent meeting of Roumanian pharmaceutical students a memorial embodying a protest against the new "Health Bill," proposed by the Government, was discussed and accepted, the proposed Bill being regarded as threatening the further existence of pharmacists in Roumania. On the one hand, the memorial states, the Government proposes to establish medicine depôts, 32 hospital pharmacies and dispensaries, besides giving doctors the privilege of obtaining medicines at the expense of the so-called "Public Health Service," thus greatly diminishing the turnover of pharmacists. It is further proposed to reduce the requisite proportions of inhabitants to every pharmacy from 5,000 to 3,000. It is demanded that pharmacists be admitted to sit on the State Health Committee, and that the widows and families of pharmacists may enjoy the right of possession for ten years after a pharmacist's decease. The Government is further required to prohibit the grant of pharmacies to foreign apothecaries, and the sale of medicinal preparations by the hospitals.

Pharmaceutical Society of Ireland.

ANNUAL MEETING.

THE thirty-fourth annual meeting of the members was held at No. 67 Lower Mount Street, Dublin, on October 4, at 7.30 P.M., when the following members were present: Mr. John Smith (President), Dr. O'Sullivan, Dr. Dunlop, Dr. Ashe, Messrs. W. F. Wells, Wm. N. Allen, Patrick T. Cosgrave, David M. Watson, Thomas Batt, Joseph J. Dowling, George Brown, and V. E. Hanna. Dr. J. A. Walsh telephoned his inability to be present.

The first business was

The Election of Members of Council.

The President intimated that the seven outgoing members were Drs. Walsh and Whitla, Messrs. Doig, Michie, Hardy, Moffitt, and Batt. They offered themselves for re-election, and, there being no other nominees, he declared them to be re-elected. The President then proceeded to deliver his

Annual Address.

He said: Gentlemen,—I deem it a great honour to be unanimously elected by the Council of the Pharmaceutical Society of Ireland for a second year to the important office of President, and that I have again the privilege of addressing you at this our annual meeting. I stated on the former occasion that I could only hope to discharge the duties of the chair relying on the assistance and the loyal co-operation of my colleagues, and I am happy to say that that co-operation has not been withheld, and that whatever has been gained, or whatever advance has been made, has been by the united efforts of the Council. That we have not been able to satisfy all our members and licentiates goes without saying; but considering the many disadvantages under which we labour, a statutory body entrusted with the carrying out of an Act of Parliament, without public funds at our disposal, with very little encouragement from the authorities, and our actions for the carrying-out of the Act and the protection of the public often looked upon with suspicion by local magistrates, I feel sure that you, as members of the Society, will see that the duties of the Council are frequently most difficult, and in the matter of prosecutions require careful handling. Prosecutions are an expensive commodity, and the Council have always felt that a special duty rests upon them to see that the funds provided by the members are spent to the best advantage.

I do not find fault with our young men, or those not in business on their own account, not subscribing to the funds of the Society, but I do think it is the duty of all those who are in business to support the Society by subscribing. Bad as things may be, it does not require much consideration to convince one that they might be much worse if the Society were to sit still and do nothing; and, on the principle that union is strength, we should if more loyally supported be in a better position to exercise greater influence in the advancement of our profession and in the protection of the interests entrusted to us. We can hardly be satisfied with things as they are when we find that, out of a total register of 1,684, we have only 334 subscribers. I should qualify these figures, however, by pointing out that there are only about 800 actually in business on their own account or in public appointments, all of whom I should like to see subscribers.

ILLEGAL TRADING.

My experience of the working of the Society now extends over a number of years, and I have never known an instance in which illegal trading has been carried on in which the Society has not taken action to put a stop to it. I am aware complaints are received from time to time from licentiates of infringement of the Pharmacy Acts, but who cannot, from their position, give us any assistance or allow their names to be used in any way. It sometimes happens that, after investigation either by the police or by our own inspectors, it has been deemed unwise to institute prosecutions, owing to the difficulty of procuring sufficient evidence; but that must rather be placed to the credit of the astute breakers of the law than to the lack of vigilance or the unwillingness of the Society to do its duty. In coming to

THE STATE OF REGISTERS

for the year I find there is an increase of 32 pharmaceutical chemists, 14 assistants, and 13 registered druggists. The figures are as follows, compared with 1908:

	1908	1909	Increase	Decrease
Pharmaceutical Chemists ...	786	818	32	
,, Assistants ...	107	121	14	
Chemists and Druggists ...	192	191	—	1
Registered Druggists	541	554	13	
	1,626	1,684	59	
Less decrease ...	—	—	1	
Net increase	—	—	58	

Subscribers	1908	1909	Increase
Members	294	294	
Associate Druggists	39	40	1
	333	334	

It is a matter for regret that with the increase on the register there should be no apparent increase in the membership. As a matter of fact, twenty new members joined during the year, but against that eighteen ceased to be members through non-payment of subscription, and two were removed by death. We have to record with regret the death during the year of two pharmaceutical chemists, members of the Society, Mr. W. H. Griffin and Mr. T. J. English. The chemists and druggists have been reduced by one through the death of Sir Thomas H. Cleeve, and the registered druggists by two through the death of Mr. J. H. Dudgeon and Mr. James Leavy.

EXAMINATIONS.

In the Preliminary the number of candidates examined shows an increase of seventeen:

	1908	1909
Candidates	104	121
Rejected	66	81
Passed	38	40
Registered on Certificates of other bodies	18	36
	56	76

Since the Council agreed again to accept the Junior Grade Certificate the increase of those seeking registration without entering for our own Preliminary examination is largely due to these certificates. There is, however, much room for improvement in the preparation of the candidates presenting themselves, as it will be noticed the percentage of failures is still very high. The following candidates passed the Preliminary with honours:

1. Wm. Robert Elmes ... ... 80¾ per cent.
2. Raymond Victor Good ... ... 72¼ per cent.
3. Maurice James Bunyan ... ... 71 per cent.
4. Frederick Geo. Smith ... ... 70¾ per cent.

As showing that the high percentage of failures is not confined to our Preliminary, it is worth noting that at the January Preliminary of the College of Physicians and Surgeons 27 candidates presented themselves, of whom 20 failed, while at our corresponding examination 26 entered, of whom 21 failed. Owing to the lamented death of Mr. L. J. Woodrooffe, M.A., last February, Mr. James Moles, M.A., was appointed one of the Preliminary examiners in his stead. For the Pharmaceutical Licence examination 106 entered, compared with 104 in 1908, the complete figures being as follows:

	1908	1909
Candidates	104	106
Rejected	68	73
Passed	36	33

Neither honour nor medal marks were awarded to any candidate during the year, the highest marks recorded being

209. To obtain honours 210 is required out of a possible 300; 240 for the gold medal, with a minimum of 65 in each division; and 230 for the silver medal, with a minimum of 60 in each division. The largest number of rejections was at the July examination, when out of 33 candidates 27 failed, 24 of these failing in the pharmacy division. I have made a summary of the failures for the past two years—that is, from the October examination of 1907 to July 1908, and from October 1908 to July 1909. For the first-mentioned period, as I have said, 68 failed, 60 of whom failed in the pharmacy division, 15 of the 68 in the chemistry division, and 34 of the 68 in the botany and materia medica division; for the last year, of the 73 failures, 63 failed in pharmacy, 30 of the 73 in the chemistry division, 38 of the 73 in the botany and materia medica division. The failures in pharmacy are by far the greatest, and on still further analysing the figures and taking the subdivisions into which the pharmacy portion is divided, I find that of the 63 the following failed in one or more of the subdivisions:

Compounding	... 45	British Pharmacopœia	... 45
Prescription reading ...	... 29	Written paper ...	... 54

Roughly speaking, therefore, 52 per cent. failed in botany and materia medica, 41 per cent. in chemistry (the greatest number failing in the theoretical division), and 86 per cent. in pharmacy. Surely these figures point to a

LACK OF TRAINING AND PREPARATION IN PHARMACY

on the part of candidates; and in looking around for a cause, it must occur to us that the modern method of doing business has a good deal to do with it. It is the exception nowadays to find a pharmacist who makes his own galenicals, some do not make even their ointments and simple solutions, so that the average apprentice has very little opportunity of gaining a practical acquaintance with the processes of maceration, percolation, evaporation, making of granular preparations, and so on. We cannot, however, get away from the question of this lack of preparation by saying that if business is now conducted differently, why require the candidate to have such practical knowledge? Rather, I think, we should make an earnest endeavour to grapple with the difficulty by instituting a School of Pharmacy along with our other Schools of Chemistry, Botany, and Materia Medica. This is a matter which has been under consideration before, and Sir J. W. Moore refers to it in his last report to the Lord-Lieutenant; but the difficulty was that, unless the course was made compulsory, there would be a possibility of few of the students availing themselves of the instruction. It appears to me that, short of having it made a compulsory course, it might be possible to hold out an inducement in another way—say, by requiring a certificate of only three-years' apprenticeship from candidates who attend a six-months' course in practical pharmacy. It is my firm belief that if students were given an opportunity of attending a properly organised course of pharmacy much time and money would be ultimately saved to them. The funds in hand in connection with the other school would be sufficient to equip a school. Another matter must not be lost sight of, and that is the possibility and desirability of instituting a degree in pharmacy in connection with the new University and on the lines adopted by the Glasgow and Manchester Universities.

OTHER EXAMINATIONS.

The numbers entering for the Pharmaceutical Assistants' examination show a considerable increase, twenty having entered, compared with eleven for the former year:

	1908	1909
Candidates	11	20
Passed	6	14
Rejected	5	6

For the Registered Druggists' examination thirty-three candidates presented themselves, compared with thirty in the former year:

	1908	1909
Candidates	30	33
Passed	11	15
Rejected	19	18

THE SCHOOLS

have been conducted in an efficient manner during the year, but I regret I have to record a falling-off in the attendance. The numbers in the respective schools were:

	1908	1909
Chemistry	26	20
Materia Medica and Botany	41	27

The falling-off in the number of students is, no doubt, due to the action of the authorities of the Kevin Street Technical School, who, it is stated, required all students to enter not alone for chemistry, but also for botany and materia medica. Having got the students thus entered, the authorities of the Technical Schools applied for recognition of their course in botany and materia medica. Your Council felt that they could not further open the door for courses of instruction over which they had no control, seeing that our own School was established at a time when there were no other facilities, that the fees were extremely moderate for the course, and that our lecturers were specialists in the subjects. The application was therefore refused, and although the Kevin Street authorities appealed to the Lord-Lieutenant "to instruct" the Council to grant the desired recognition, we refused to give way, giving his Excellency very cogent reasons for our decision. For the coming session we believe the attendance at the courses of instruction in the Schools will be well up to the former average.

I should like to emphasise what you are all aware of, and that is that our Schools are not subsidised by or dependent on the funds of the Society in any way. They are self-supporting. It is necessary that this should be clearly understood, from the fact that in the memorial which the Kevin Street authorities presented to the Lord-Lieutenant it is stated that—

"If the Pharmaceutical Society are allowed to enforce the privilege granted to them by the Privy Council as an absolute veto, exercisable at pleasure, the anomalous position will be apparent of a Society, instituted by Parliament to discharge public duties, diverting the privileges conferred by the Privy Council to the subsidising of a private school of their own by compelling students to have recourse to it and pay much greater fees than are paid at Dublin Technical Schools, which are maintained partly by public money from the Department of Agriculture and partly by a grant from the citizens. It is submitted that the Privy Council cannot permit any public body to utilise its powers merely to subsidise a private venture of its own, as is the School of the Pharmaceutical Society."

Dr. Arthur H. Laird having resigned the Professorship in Botany, Mr. L. B. Smyth, B.A., Sen. Mod. (Large Gold Medallist) T.C.D., Assistant to the Professor of Botany in Dublin University, was appointed in his place. During the year prizes were awarded as follows:

Chemistry School.—1st prize, John Knox; 2nd prize, Michael Leahy.

Materia Medica.—1st prize, Michael Dore; 1st prize, Standish Stewart; 2nd prize, Michael Kelly; 2nd prize, John Knox.

As no student came up to the standard laid down in botany, no prizes were awarded.

PROSECUTIONS.

The Law Committee have been kept busy during the year, and have had many cases of breaches of the Pharmacy Act to deal with. In a number of cases prosecutions were instituted; and except in a recent case, when a verdict was given against us, we have no failures to report. That case is still engaging the consideration of the Law Committee, and steps will probably be taken to get a decision in our favour and in accordance with the law. The question of the cost of these cases to the Society, and the attitude taken up by the Castle authorities, is a serious one for the Society. As illustrations two cases occur to me where we prosecuted for the sale of poisonous sheep-dips. Both cases were reported by the police. In both cases the traders were fined in the penalty of 5*l.*, which the Magistrates are bound to impose; but on the defendants appealing to the Lord-Lieutenant, he in one case reduced the penalty to 1*s.*, and in the other to 1*l.* Now, these two cases cost the Society 25*l.* His Excellency refused to receive a deputation, as we were anxious to protest against the reduction of the penalties and to lay the facts as regards loss to the Society before him.

The practice of many registered druggists in Belfast and the North generally of styling their places of business "medical halls," and of ostensibly holding out a qualification to compound medical prescriptions, appears to have reached an acute stage, and evidence of compounding having been obtained against three traders, they were prosecuted and fined 5*l.* each. The usual memorials were sent to the Lord-Lieutenant, but they were adjudicated upon by the Lords Justices, who declined to make any reduction.

POISONS AND PHARMACY ACT, 1908.

Since our last annual meeting this Act has been placed on the Statute-book, but, so far as Ireland is concerned, its title is not strictly accurate, for, while we have had the objectionable Clause 2 forced upon us, we have not been able to benefit by the application to Ireland of the clauses of a purely pharmaceutical character. Owing to the fact that we had already in this country a grade of poison-sellers sufficiently numerous, competent, and willing to supply the requirements of the agricultural and horticultural community, and to the fact that no evidence was adduced in any way to show that there was any difficulty in procuring these particular poisons, we deemed it our duty to resist the application of this clause to Ireland. The Irish Government, however, urged on by two or three English manufacturers and backed up by some county councils, who saw the possibility of exercising a little power without cost to themselves, made the clause applicable to Ireland, so that now since April 1 we have another grade of poison-sellers established throughout the country.

Be it noted these new licences only entitled the licencees to deal in two poisons, arsenic and nicotine, and that only when they are to be used for a particular purpose—that is, in connection with agriculture and horticulture, for the destruction of insects, fungi, or bacteria. I draw particular attention to this, as evidence is not wanting that some licencees now consider themselves qualified to sell all poisons, and have even written to wholesale houses for price-lists and quotations for a general stock of drugs and poisons. That the intentions of the legislature in the matter of granting licences have been shamefully ignored by the local authorities is evidenced by their action in granting licences in places where ample facilities at present exist. Sub-section 2 of Clause 2 states that—

"Before granting any licence the local authority shall take into consideration whether in the neighbourhood where the applicant for the licence carries on or intends to carry on business the reasonable requirements of the public with respect to the purchase of such poisonous substances as aforesaid are satisfied."

This sub-section is practically ignored, and we were from the first much opposed to it, as we foresaw what would happen—we had no confidence in either it or the licensing authorities. On the contrary, our contention was that there should be a distance-limit inserted, to the effect that no licence should be granted to any person within six miles of any chemist or druggist willing to meet the reasonable requirements of the public. Further, in order that there might be some equity in the matter, we urged that the granting of licences should be in the hands of the County Court Judge. We did not get these two points conceded, but when the Provisional Regulations were issued on March 30 the Privy Council gave effect to our representations in so far as prohibiting the issue of a licence to any seller of intoxicating liquors. This was a salutary restriction, and limited very considerably the number of applications; but some of the County Councils having ignored the prohibition, and having called for its amendment, the Privy Council have given way to these County Councils, and, to make wrong right, have recast the Regulations so as to legalise the licensing of publicans. As to the Regulations for storage, etc., I fear these too will be more honoured in the breach than the observance.

Another great difficulty we have to contend with is that there is no Regulation requiring the licensing authorities to give the Pharmaceutical Society notice of the granting of these licences, so that it is difficult for us to know who is licensed and who is not. One other point I should like to touch upon, and that is the question of opposing the granting of licences. While taking every opportunity of informing the licensing authorities as to the scope and limitations of the Act, and in particular drawing their attention to the intentions of the legislature as embodied in Sub-section 2, I do not think your Council is called upon to pursue the matter further in the way of being represented by counsel or otherwise when the granting of licences comes to be considered by the local authorities. In fact, I do not think the Council would have any *locus standi* in the matter; besides, it would be easy for local authorities always to say that they had taken into consideration the question of whether the reasonable requirements of the public in respect to the purchase of such poisonous substances were satisfied or not. But the local chemists and druggists would have a perfect right to place before the local authority what are the existing facilities for the purchase of such poisonous substances—that there are sufficient, and that, therefore, no licences should be granted.

In order to have some data to go upon and to enable us to state our position to the licensing authorities, we sent out last February a circular to 748 persons "keeping open shop" asking if they had made due provision "to satisfy the reasonable requirements" of the public, but I regret to say only some twenty-six replies were received. It may be that the sale of these poisons does not form an important item in the business of many of our licentiates and associates, but it appears to me that they should take a very firm stand in the matter, and educate the public that in pursuing the shadow they may miss the substance by depriving the country of a class of traders trained in handling, besides these poisons, all horse and cattle medicines, and that if these qualified traders are deprived of part of their income by increased competition it may be difficult for them to exist on what is left of the drug-business. (Hear, hear.)

THE COMPANIES QUESTION.

With reference to the pharmacy clauses which were not made applicable to this country, we would have agreed to the clause bringing corporate bodies under the provisions of the Pharmacy Acts; and, while not admitting that companies have any legal status under our present Acts or any right to usurp the privileges of the individual, we were anxious that some arrangement might be arrived at whereby their position might be defined, and for that reason agreed that the clause which was drafted for Great Britain should be made applicable to Ireland.

When the Poisons and Pharmacy Bill, 1908, was in the Committee stage the Attorney-General drafted a clause to bring limited companies under the control of the Pharmacy Acts, which clause we accepted and were desirous to have inserted in the Bill. This was made impossible by the introduction at the last moment of the apprenticeship question. We pointed out that this matter could be dealt with by regulation, which the Council of the Society had power to make, but that while limited companies remained outside the Pharmacy Acts the Council could not recognise them. The companies' representatives were therefore urged to accept the clause as drafted, and allow it to become law. The companies would then be legalised, and would come under the control of the Pharmaceutical Society. In the event of the companies accepting the clause, your representatives agreed to give their personal undertaking to move that a regulation be passed by their Council authorising the acceptance of the apprenticeship certificates of all limited companies whose directors were qualified. The question of apprenticeship being raised at the last moment, and being quite outside the scope of the Bill, your representatives were unable to bind the Council absolutely in the matter, but were satisfied that their undertaking would be agreed to by the Council.

It may be useful again to draw attention to the practical effect of the proposed clause. A corporate body if it desires to trade as pharmaceutical chemists or chemists and druggists, as the case may be, and to assume the title, must have a qualified person as a director, who shall personally manage and conduct that department of the business; but in the absence of such personal control there must be a qualified manager, and in the case of branches a qualified manager in each. Corporate bodies who have not a qualified director may carry on a drug department under the control of a qualified manager, but may not

assume the title. The title "pharmacist" remains the property of the individual, and may not be assumed by a corporate body. The companies concerned are practically agreed that the clause as outlined should be made applicable to this country, and the only matter in dispute is the form of declaration as regards service to such companies; and I do not doubt that the Council would alter the regulation once they are brought within the provisions of the Pharmacy Acts, and if negotiations are carried to a successful issue I am certain *bona-fide* drug companies will be equally as anxious as the Pharmaceutical Society are to devise means whereby the formation of bogus companies may be stopped, or, at all events, prevent them from benefiting under the new conditions. As regards the

RECIPROCITY

clause, we would have welcomed its application to this country, as by our Act we have no power to recognise Colonial certificates. Certain Colonies have refused to recognise our certificates unless we are prepared to accept theirs, and for that reason, although we do not anticipate being called upon to accept many Colonial certificates, it would have opened the door to the acceptance of our certificates by practically the whole of Greater Britain. Clause 5, relating to the sale of sulphuric, nitric, and hydrochloric acids and soluble salts of oxalic acid, is also made applicable to Ireland. These substances must now be labelled "Poisonous," with the name and address of the seller, who need not be qualified; but as our Poison Schedule was not altered this clause does not apply to oxalic acid or oxalates, which still remain in Part 2 of our Schedule.

Mr. Smith then, in concluding, referred to the fact that Mr. Ferrall (the Registrar) has completed a quarter of a century in the service of the Society, and congratulated him on his continued marked ability in coping with largely increased work that now falls to his office. (Applause.) He also thanked him personally for the many services during his presidency, and called upon the Registrar to read, in the absence of the Hon. Treasurer (Mr. G. D. Beggs), the

FINANCIAL STATEMENT.

The statement showed that the balance due by the Bank of Ireland at the close of last year was 192*l.* 8*s.* 4*d.*; there had been received in examination-fees, 654*l.* 13*s.* 6*d.*; members' subscriptions, 286*l.* 13*s.*; dividends, fees, and rents, 88*l.* 0*s.* 3*d.*; amount for Schools to invest in New 2½-per-cent. Stock, 100*l.*; making a total on the debtor side of 1,321*l.* 15*s.* 1*d.* On the credit side there were disbursed 266*l.* 2*s.*, the examiners; registrar's salary, 160*l.*; THE CHEMIST AND DRUGGIST, 72*l.* 6*s.* 3*d.*; rent and taxes, 47*l.* 18*s.* 8*d.*; lighting, painting, furniture, law-costs, and Parliamentary expenses, 44*l.* 18*s.* 6*d.*; travelling-expenses of country members, 241*l.* 10*s.* 2*d.*; purchase of stock, 247*l.* 0*s.* 9*d.*; and there was now a credit balance in Bank of Ireland of 153*l.* 11*s.* 1*d.* The money capital of the Society now stood as follows: Balance due by Bank of Ireland on current account, 153*l.* 11*s.* 1*d.*; New 2½-per-cent. Stock, 1,670*l.* 17*s.* 7*d.* (less held in trust for Schools, 119*l.* 9*s.* 2*d.*), or, in all, 1,713*l.* 19*s.* 6*d.* The auditors, Messrs. Thomas Batt and D. M. Watson, had certified the accounts as correct.

On the motion of Mr. WELLS, seconded by Mr. WATSON, the statement of accounts was received and adopted.

There was no other business before the meeting, which closed with a vote of thanks to the President.

COUNCIL-MEETING.

THE Council met at the Society's house on Wednesday, October 6, at 3 P.M., the following members being present: Mr. John Smith, Sir William Baxter, Dr. J. A. Walsh, Dr. M. R. Whitla, Messrs. J. H. Bowden, Wm. Doig, H. V. Goldon, Wm. Jamison, James Tate, D. M. Watson, and W. F. Wells.

Mr. Smith having taken the chair as ex-President, the minutes of the last meeting were read and signed. Mr. SMITH then intimated that the first business was the

ELECTION OF OFFICERS.

Sir WILLIAM BAXTER said he felt great pleasure in having the opportunity and privilege of moving that their esteemed friend, Mr. John Smith, who had proved an efficient President for the past two years, be re-elected President of that Council. (Applause.) They must all admit that Mr. Smith was a most efficient and devoted President, attending to the duties of the Society in every detail with a courtesy and fidelity that left nothing to be desired. (Hear, hear.) Mr. Smith's personal character was very high, and he had ably sustained the traditions of that Society—traditions which were very difficult to sustain on account of the high character and ability of previous Presidents of that Society. (Hear, hear.) He was sure Mr. Smith would continue to discharge the duties in the manner in which he had hitherto done. He (Sir William), as Vice-President, had not been able to give a full attendance during the year, but the President was always to the fore, and Mr. Smith was fortunate in always having the able advice and counsel of Mr. Wells; and he was sure Mr. Smith in the coming year might again count on the assistance of Mr. Wells and every member of the Council. (Hear, hear.)

Mr. WATSON said he was extremely glad to have the pleasure of seconding the proposition of Sir William Baxter that Mr. Smith be re-elected President for the third year. In addition to the fact that the President was a man of great ability, they must bear in mind that in some matters the Council of that Society were still in the middle of the stream. The company question was not yet settled, and there were other things in the clouds; but he hoped the company question would be settled during the next twelve months, and until that was done they should retain in the chair the gentleman who had been conducting the negotiations up to the present.

No other member was proposed for the position, and Mr. Smith was re-elected amid applause.

The PRESIDENT, in returning thanks, said he hesitated to accept the position for the simple reason that he found it took up a considerable amount of time, and, having his business to attend to, he would gladly hand over the chair to someone else. However, he appreciated very highly the kindness of the Council in unanimously allowing his name to go forward for the presidency, and specially thanked Sir William Baxter for the flattering terms he used in regard to him. It afforded him very great pleasure to work in the interests of the Society and in the interests of their profession—(hear, hear)—and during the coming year he would attend to the affairs of the Society to the best of his ability. (Hear, hear.) He was glad to say that he was ably supported by one and all of the members of the Council when he consulted them in any matter of difficulty.

Mr. DOIG moved that Sir William Baxter be re-elected Vice-President. He did not think they could find a more qualified man for the post—a man whom the King had honoured was worthy of being placed in the position by that Society. (Hear, hear.) In addition to being a Northern man, Sir William Baxter was a man of the highest character. Living away from the centre, he might have little work to perform as Vice-President, but the time might come when his work would be heavy.

Dr. WALSH seconded the motion. He agreed that Sir William Baxter was an ornament to the Council and to the Society. (Applause.)

The motion was unanimously passed.

Sir WILLIAM BAXTER, in returning thanks, said he accepted the very special honour in the spirit in which the Council had given it. It was a tribute to their real kindness to re-elect him to this office; and he would endeavour to promote as far as in his power the interests of the Pharmaceutical Society. He was at one with them in upholding the prestige of their old profession, and at the same time trying to make it as useful as possible to the people of the country in which they lived. (Hear, hear.) He should work as harmoniously with the Council of the Society as he had hitherto done. (Hear, hear.)

On the motion of Mr. WELLS, seconded by Dr. WHITLA, Mr. George D. Beggs was re-elected Hon. Treasurer.

On the motion of Mr. TATE, seconded by Dr. WHITLA, Messrs. Batt and Watson were re-elected auditors.

On the motion of Mr. Jamison, seconded by Mr. Goldon, the following were appointed on the Law Committee: Messrs. Thomas Batt, George D. Beggs, Richard Blair, Thomas N. Moffitt, James Tate, James A. Walsh, D. M. Watson, W. F. Wells, and Dr. Dunlop.

On the motion of Mr. Bowden, seconded by Mr. Doig, the following were re-appointed on the committee to inspect candidates' certificates: Messrs. Thomas Batt, George D. Beggs, James A. Walsh, D. M. Watson, and W. F. Wells.

On the motion of Dr. Whitla, seconded by Mr. Tate, the following were appointed on the House and General Purposes Committee: Messrs. Thomas Batt, George D. Beggs, Joseph H. Bowden, Wm. J. Hardy, James Michie, James A. Walsh, D. M. Watson, and Dr. Dunlop.

On the motion of Mr. Watson, seconded by Mr. Goldon, the following were appointed on the School Committee: Messrs. George D. Beggs, Joseph H. Bowden, Wm. J. Hardy, James Michie, Thomas N. Moffitt, James Tate, James A. Walsh, and D. M. Watson.

On the motion of Mr. Bowden, seconded by Mr. Watson, the following were appointed a committee to examine declarations, etc., of candidates for examination and registration as registered druggists: Messrs. Thomas Batt, Wm. Doig, Wm. Jamison, James Tate, and Wm. F. Wells.

Recognition of Technical Institute.

A letter was read from the Principal Central Technical Institute, Waterford, applying for recognition of the instruction in chemistry and physics given in that institute, and a further letter was read from Dr. J. J. O'Sullivan, M.P.S.I., in support of the application.

The President said that the Council had consistently refused to recognise any more technical schools at present. Unless in cities like Dublin and Belfast a class sufficiently large enough could not be got up in which pharmaceutical chemistry would be efficiently taught, and for that reason the Council had limited the number of schools to be recognised by the Society.

Mr. Watson thought that there was no recognised school in the Waterford district; none nearer than Cork.

Mr. Jamison said they could not get a big class out of twenty-five assistants and apprentices.

The application was refused.

Membership.

On the motion of Mr. Moffitt, seconded by Dr. Walsh, the following were elected members of the Society: Messrs. Charles Victor Bolton, Ph.C., 45 Market Square, Lisburn; John Warren Gray, Ph.C., City Drug Hall, Armagh; John Hely, Ph.C., Medical Hall, Cappoquin; Allan M. McCurdy, Ph.C., 30 York Road, Belfast; James O'Brien, Ph.C., 37 Church Street, Athlone; and Joseph J. O'Brien, Ph.C., 186 Clapham Road, London, S.W.

Mr. Edmond Collins, Ph.C., of Killorglin, co. Kerry, and Mr. Patrick Ward, Ph.C., of 31 Clanbrassil Street, Dundalk, were nominated for membership.

Examinations.

The Registrar reported that the Preliminary examination took place on October 7 and 8, when twenty-two candidates (fifteen of whom were for re-examination) entered. The Pharmaceutical Licence examination took place on October 13 and following days; twenty-two candidates (of whom thirteen were for re-examination) entered. The Registered Druggists' examination took place (at Dublin) on October 12; five candidates (two of whom were for re-examination) entered. The Pharmaceutical Assistants' examination will take place on October 18.

The public proceedings of the meeting then concluded.

Preliminary Examination.—Ion Alexander Clarke, Blackrock, Dublin, passed with honours, and the following also passed: John Joseph Collins, Naas; James McCaughey, Ballymena; John Henry Donnelly, Clogher; Thomas Mockler, Thurles; (John McDowell, Belfast; Margaret Sutton, Waterford); Malachy Hughes, Tramore. Twelve candidates were rejected.

An Act to Regulate Advertisements of proprietary remedies, chemicals, and drugs is expected to be enacted by the Japanese Parliament in the immediate future.

Trade Report.

NOTICE TO BUYERS.—The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers stock the goods. Qualities of drugs and oils vary greatly, and higher prices are commanded by selected qualities even in bulk quantities. It would be unreasonable for retail buyers to expect to get small quantities at anything like the prices here quoted.

42 Cannon Street, London, E.C., October 14.

We have again to report a quiet week's business, buying being from hand to mouth. Oil of lemon is reported to be on firmer ground, owing to "needy holders" having sold out. Wayne County oil of peppermint seems better in some brands at New York. The price of chlorates of potash and soda for 1910 has been fixed. New chamomiles are again slightly easier on the spot. Foreign tartaric acid is unsteady, owing to a holder wishing to realise. Menthol c.i.f. is lower. Florentine orris-root is firmer, both spot and c.i.f. Senega-root to arrive is dearer, and spot firm. The opium market in Turkey is excited. The principal alterations are as follows:

Higher	Firmer	Easier	Lower
Isinglass (Saigon)	Calumba root	Citric acid (foreign)	Pulv. Seidlitz
Opium	Cloves	Camomiles (new spot)	Soda tart.
Orris root (Florentine)	Codeine	Bergamot oil (c.i.f.)	
Senega root	Honey (Jam.)	Sweet Orange oil (c.i.f.)	
S ya oil	Juniper berries (spot)	Bitter Orange oil (c.i.f.)	
Sugar milk (spot)	Morphine		

Cablegrams.

Smyrna, October 11:—American buyers are continuing their purchases at 15*s.* to 15*s.* 6*d.* per lb., and fifty cases have been bought at that. Holders are withdrawing owing to the scarcity of eligible material.

New York, October 14:—The transactions in this market are of fair volume. Druggists' opium remains firm at $5 per lb. for single cases. Peppermint oil is unchanged. Senega is easier at 52c. per lb. Jalap has still further declined to 38c. Hydrastis (golden seal) is quiet at $2. Cascara sagrada is neglected at the last quotation. Copaiba easy at 40c.

London Markets.

Acid, Citric.—English remains unchanged at 1*s.* 3*d.* to 1*s.* 3½*d.*, but foreign for forward delivery is a shade lower at 1*s.* 2¾*d.*

Acid, Tartaric.—In steady request. English is unchanged at 10¼*d.*, but for foreign in a round quantity 9⅝*d.* would be slightly shaded, owing to a holder being overstocked; except for this disturbing element prices would have hardened, as this low price shows no profit to the dealer.

Asafetida.—Good medium and fine qualities are in demand, with little on the spot to meet it. A small lot will arrive soon, and it is expected to be keenly competed for.

Calumba-root continues to be very scarce, and for both natural and washed sorts 25*s.* is now asked.

Camphor.—Japanese refined has been sold at 1*s.* 7½*d.* for ¼-oz. cakes, December-January delivery. For 2½-lb. slabs 1*s.* 6½*d.* c.i.f. is wanted, and reports from Japan are of a firmer nature. Chinese crude December-January shipment is quoted 130*s.* c.i.f.

Our Osaka correspondent, writing on September 27, says that the camphor market had become very hopeful, and yielded 4,000,000 kin from January to July 1909. Japan will be able to supply the world demand in the near future. The output of Southern Chinese camphor in 1906 was 7,900,000 kin, and reached 2,500,000 kin in 1907, but owing to the reduction of the price it decreased to 1,200,000 kin in 1908, and will be 800,000 kin this year. The Formosan monopoly has decided to produce 1,500,000 kin this year.

Capsicums.—At auction 34 bags of Nyasa sold at 52*s.* to 57*s.* for fine, large, red picked.

Cascara Sagrada.—Business has been done for a carload at 33*s.* 6*d.* per cwt. c.i.f. for October-December shipment from the West Coast. Spot is steady at 39*s.* to 40*s.* per cwt., according to holder.

Chamomiles are going off very slowly, and in one or two directions are easier, good white flowers, new crop, being offered at 92*s.* 6*d.* on the spot, and very brown thirds at 60*s.*

Chillies.—At auction 63 bags of Nyasa sold, fair yellow at 33*s.* to 36*s.*, good yellow and red mixed at 41*s.*, and fine, bright red at 50*s.*

Chlorates of Potash and Soda.—The prices for 1910 remain as at present in force.

Cloves.—At auction 108 bags of Zanzibar were offered—100 without reserve. The latter were but fair, and fetched 4¾*d.* Good bright sold at 5¼*d.* Privately the market is firmer and business limited.

Cream of Tartar is slow at 71*s.* for 98 per cent. and 67*s.* for 90 to 92 per cent.

Cubebs.—A good business has been done this week at 5*l.* 10*s.* to 5*l.* 15*s.* per cwt., and it would be difficult now to find any good berries.

Cyanide of Potassium.—Beckton 60 per cent. is 8½*d.* per lb., and double salt 7¼*d.*; sodium cyanide (128 to 130 per cent.), 7*d.*

Digitalis-leaves are unobtainable on the spot, owing to the continued wet weather on the Continent preventing the drying. One dealer asks 50*s.* per cwt., subject to approval of sample.

Ergot keeps very steady. The cheaper parcels offering from the Continent have been very poor in quality, and before comparing prices buyers need to examine the qualities. Good sound new Spanish is still 1*s.* 8*d.* on the spot.

Galls.—Consequent on cabled crop advices from Bagdad the market continues strong, and 65*s.* and over per cwt. is wanted here for good blues; inferior blues have sold at 60*s.* to 61*s.*, and greens (of which there are small supplies) at 55*s.*, while sellers want 56*s.* c.i.f. for October-November shipment.

Honey.—Since last sales prices of Jamaica have hardened considerably, and some of the balance unsold has been cleared at fair increases on the valuations then reached.

Isinglass.—Supplies at the auction on Tuesday were small, all kinds except Brazil (which was easier) being steady. Long leaf Saigon sold at 6*s.* to 6*s.* 1*d.*, which was up to 3*d.* higher, and good at 5*s.* 10*d.* to 5*s.* 11*d.* Extra stout brown Penang fetched 4*s.* 9*d.*; Kurrachee leaf, ordinary, 2*s.* 8*d.*; Brazil, good to fine Para lump, 2*s.* 11*d.* to 3*s.* 1*d.*

Juniper-berries.—There is nothing to be had on the spot, and we hear of 20*s.* being paid for a few bags of very poor berries, with no more to be had.

Menthol remains exceedingly quiet. Spot Kobayashi 8*s.* 6*d.* and Suzuki 8*s.* 5*d.*, while c.i.f. prices are 8*s.* and 7*s.* 10*d.* for late shipment this year.

Nutmegs.—The auction yesterday was of West Indian nuts, 459 packages of which were sold at prices ranging from 3¾*d.* to 4½*d.* for 145-120's, and 1*s.* 2*d.* to 1*s.* 5*d.* for 63-58's.

Oil, Aniseed.—Fair business is passing in Star-anise oil at 4*s.* 9*d.* on the spot, the c.i.f. price is 4*s.* 2½*d.* The market is slightly easier for forward, importers asking for bids of 4*s.* 1½*d.* per lb. c.i.f. to send out, which would probably lead to business. Spot is firm.

Oil, Cassia.—Unchanged and quiet at 4*s.* for 80 to 85 per cent. aldehyde, 3*s.* 10*d.* for 75 to 80 per cent., and 3*s.* 8*d.* for 70 to 75 per cent., the c.i.f. prices being 3*s.* 8*d.*, 3*s.* 6*d.*, and 3*s.* 4*d.*

Oil, Cod-liver.—Our Bergen correspondent, writing on October 11, states that the market there has lately been firmer, and finest non-congealing Lofoten cod-liver oil is now quoted at 67*s.* per barrel f.o.b. Bergen. The exports to date amount to 12,797 barrels, against 17,276 barrels at the same date of 1908.

Oil, Olive.—The Acting British Consul at Malaga reports that it is generally expected that the yield of olive oil next season will be considerably more than the average, which is one-half of a full crop. A quarter of a full crop will be required for home consumption. The Acting British Consul at Seville reports that the olive crop there this year is expected to be considerably above the average also, while H.M. Consul at Naples reports that the Italian olive-oil yield this year is expected to be no more than from 200,000 to 250,000 tons; 400,000 tons of olive oil is considered a full crop. It is estimated that four-fifths of the yield will be required for home consumption.

Oil, Peppermint.—Nothing doing on the spot. Sales of H.G.H. are reported from New York at 10*s.* 10*d.* c.i.f., and good tin Wayne County at 8*s.* 11½*d.* c.i.f. American tin oil remains in a very firm position, the distillers in the West still holding out for high prices, which has restricted business, and 8*s.* 9*d.* per lb. is the lowest quotation mentioned for forward goods, but perhaps a little from second-hands on the spot could be got at 8*s.* 6*d.* per lb. H.G.H. is firm at 10*s.* 9*d.* to 11*s.* per lb. as to holders.

Oil, Soya, shows a further advance in London spot oil to 23*s.* 3*d.* to 23*s.* 6*d.* per cwt. naked.

Oil, Wood.—Business has been done in spot oil at 28*s.* 6*d.* per cwt.

Oils Sicilian.—A Palermo advice, dated October 2, states that the trade is quiet, but the market is now to a great extent cleared of parcels in the hands of easy or needy holders, so that, notwithstanding the lack of business, there is little inclination to sell. *Lemon* oil for shipment is quoted 2*s.* 10*d.* to 3*s.* 1*d.* c.i.f. London; *Bergamot* oil is again a turn easier, 15*s.* 9*d.* c.i.f. London being quoted, while *Sweet Orange* is weaker at 6*s.* 1½*d.* and *Bitter Orange* at 6*s.* 3*d.* per lb. c.i.f. For new-crop oils, business is less active than usual, local buyers being reluctant to advance money to the growers against their production.

Opium.—The market in Turkey remains active, with considerable sales at advanced prices (see cable). This condition is reflected on the spot, higher prices having been obtained. Good druggists' is quoted 14*s.* 6*d.* to 14*s.* 9*d.* per lb., Malatia 14*s.* to 14*s.* 9*d.*, and Tokats up to 16*s.* 6*d.* Cabled quotations as high as 15*s.* 6*d.* for druggists' have not been confirmed. Persian cables quote prices higher than 14*s.* 9*d.* for October-December shipment, the demand being better in Hong-Kong. It is also in request here, and business has been done at full prices for spot stuff.

Advices from Smyrna dated October 9 state that sales of the week were about 160 cases for America. The market opened at 13*s.* 4*d.* per lb., and closed at 15*s.* 2*d.* This has served to steady the market, and as now only some 400 cases of the new crops and 700 to 800 cases of the old remain in stock further sales will only be effected at increased prices. The older qualities are neglected owing to their low alkaloidal percentage, and as the stocks are becoming exhausted buyers will have to content themselves with what they will find. The market closed firm with arrivals of 1,484 cases, as compared with 1,791 last year at the same date.

Another correspondent, writing on the same date, reports a very active week, with sales amounting to 151 cases druggists' and selected druggists' at 14*s.* 4*d.* to 15*s.* per lb. c.i.f. for U.S.A. Towards the end the market advanced fully 6*d.* per lb., and the day's quotations were: Common low grade mixtures, 12*s.* to 13*s.*; usual run talequale, poor in intrinsic value, 13*s.* 3*d.* to 13*s.* 9*d.*; Karahissar talequale, 14*s.* 4*d.* to 14*s.* 6*d.*; selected Karahissar, 14*s.* 6*d.* to 14*s.* 9*d.*; extra selected Karahissar, 15*s.* to 15*s.* 6*d.*; and Yerlis as to quality, 14*s.* 6*d.* to 16*s.* 6*d.* The market closed very firm with buyers at these quotations. Stocks of good eligible material are very low, and in strong hands. The arrivals to date amount to 1,484 cases, against 1,791 at same date last year.

Opium Alkaloids.—In view of the excited condition of the opium markets, makers of morphine and codeine are watching closely in anticipation of an early advance in prices, but business is still being done at last week's quotations, morphine hydrochloride being 7*s.* to 7*s.* 3*d.* per oz., according to quantity.

Orris-root.—Florentine is selling at 45*s.* on the spot for fair sorts, and 50*s.* for bold picked is asked. C.i.f. prices range from 41*s.* to 47*s.* 6*d.*

Pepper.—The market is quiet but steady. In auction yesterday Ceylon black sold at 4½*d.* for fine, and 3½*d.* for fair. Fine greyish Gapis sold at 4¼*d.* Fair Singapore is

steady at 4*d*. No white pepper was offered in auction, but fair Singapore is quoted at 7*d*.

Pimento is firmer, but all that was offered in auction was bought in and sellers want 21*s*. c.i.f. for distant shipment.

Podophyllum Root remains very firm, and although 42*s*. per cwt. c.i.f. is quoted, higher prices are expected.

Pulv. Seidlitz has been reduced to 54*s*. 3*d*. per cwt. in 5-cwt. casks, and to 56*s*. 6*d*. in 28-lb. lots.

Quicksilver.—Mr. Alex. S. Pickering gives the following statement of the present position :

		1909	1908	1907	1906
Imports :					
September	Bottles	769	810	213	340
January-September	,,	40,749	41,739	38,900	37,636
Exports :					
September	,,	2,413	2,761	2,363	2,247
January-September	,,	11,300	17,267	23,642	20,517
Average Price :					
September		8*l*. 6*s*.	8*l*. 2*s*.	7*l*. 1*s*.	6*l*. 18*s*. 6*d*.

Quinine.—Quotations are unchanged. Our Amsterdam correspondent says that at the auction there on October 8 by the Amsterdam Quinine Works, 1,417½ kilos. Ed. II. were sold at an average price of 10.45fl. per kilo., against 10.23½fl. in previous auction. The next auction will be held on October 22. At this auction fifty cases, each containing ten 100-oz. tins of quinine sulphate (B.P.), will be offered in ten lots, a total of 50,000 oz.

Santonin.—The business mentioned in our report last week went through, but Hamburg decline to go on at that figure (the equivalent of 29*s*. per lb.), so that second-hands on the spot are now asking 32*s*. 6*d*. per lb. We hear of one transaction at 35*s*. to-day.

Sarsaparilla.—Mexican is firm at 5¼*d*. c.i.f. and 5½*d*. spot, while sales of Grey Jamaica in second-hands are reported at 1*s*. 4*d*.

Seeds.—*Anise* is still quoted 21*s*. 6*d*. per cwt. for good Russian, 19*s*. 6*d*. for Levant, and 37*s*. 6*d*. for Spanish. For *Canary* there is rather more inquiry as to cheaper grades. Larache is offering at 44*s*. to 45*s*. per quarter for fair quality, Turkish and La Plata at 48*s*., Saffi and Mazagan at 50*s*. ; but business is still restricted. *Caraway* is steady at 29*s* to 31*s*. per cwt. for ordinary to good new crop Dutch on the spot. *Coriander* is firm at late rates ; common Morocco at 8*s*. 6*d*. to 9*s*., and good at 10*s*. 6*d*. per cwt. *Cumin* is steady, but slow of sale, at 35*s*. to 37*s*. per cwt. for Morocco and 39*s*. for Malta. The price of *Fenugreek* is unchanged at 8*s*. 6*d*. per cwt. for Morocco. *Linseed* is dearer ; good clean seed is held for 51*s*. per quarter.

Senega.—To arrive 2*s*. 6*d*. is asked in certain directions, and 2*s*. 3*d*. spot in another. It is reported that the drug is going to be much dearer, as it is very scarce in the primary markets, offers being difficult to get. There are a few lots on the spot, but it would seem that nothing can prevent senega being considerably dearer this season, as the time for digging the root is now over.

Senna.—Two steamers have arrived bringing about 400 bales of Tinnevelly, which will be landed in time for the next auctions.

Shellac.—The market has been quiet this week, without notable changes. TN spot is 67*s*. Sales of December 67*s*., March 69*s*. 6*d*., and May 71*s*. c.i.f. are reported.

Soda Tartarata has been reduced to 63*s*. for powder or crystals in 5-cwt. casks, and to 66*s*. in 28-lb. parcels.

Sugar of Milk.—In very fair demand, and spot values are up 1*s*. to 2*s*., according to brand ; 40*s*. to 42*s*., according to quantity, being now asked.

Taraxacum.—The English crop, most of which has now been gathered, is said to be smaller than usual. Spot sellers ask 35*s*. per cwt. net.

Tragacanth sells in a moderate way at steady prices, the principal demand being for Persian and Bagdad qualities under 5*l*. Bagdad firsts are worth 15*l*. 5*s*. to 16*l*., seconds 14*l*. to 14*l*. 15*s*., thirds 11*l*. to 13*l*., fourths 8*l*. 10*s*. to 10*l*., and yellow and pinky 6*l*. to 8*l*. per cwt.

Heavy Chemicals.

A fairly steady business continues to be done in the heavy-chemical market both on prompt and forward account, and the tone of the market generally is firm. The position is much the same at all the main centres of the heavy-chemical market, and one pleasing feature is that deliveries against existing contracts are somewhat better than they were. Values, generally speaking, show little or no fluctuation.

Sulphate of Ammonia.—Business in this branch has been on the quiet side, and the tone is rather easier, particularly for early delivery. Buyers apparently are playing a waiting game, and the fact that prices are nominally somewhat lower is influencing them both as regards early and forward delivery. Present nearest figures are: Beckton prompt, 11*l*. 11*s*. 3*d*. ; January-June, 11*l*. 15*s*. ; Beckton terms, 11*l*. 3*s*. 9*d*. ; London, 11*l*. 3*s*. 9*d*. ; Leith, 11*l*. 7*s*. 6*d*. to 11*l*. 8*s*. 9*d*. ; and January-June, 11*l*. 12*s*. 6*d*. to 11*l*. 15*s*. ; Liverpool, 11*l*. 5*s*. to 11*l*. 6*s*. 3*d*. ; and Hull, 11*l*. 3*s*. 9*d*. to 11*l*. 5*s*.

Alumina Products.—Good sales have been made in this branch, especially for forward delivery, since last quoted, and mostly on the basis of this year's prices. Here and there for really important business slight concessions have been made, but there has been no general decline. Crystal alum lump, 5*l*. 5*s*. to 5*l*. 12*s*. 6*d*. ; lump in tierces, 5*l*. 10*s*. to 5*l*. 17*s*. 6*d*. ; and ground in bags, 5*l*. 15*s*. to 6*l*. 2*s*. 6*d*. per ton free on rails Lancashire and Yorkshire or f.o.b. Hull, Goole, or Liverpool. Sulphate of alumina, purest qualities, practically free of iron, ordinary strength, 4*l*. 12*s*. 6*d*. to 5*l*. 2*s*. 6*d*. per ton in ordinary casks, with usual extras for similar pure quality in higher concentrations and ordinary allowances for bags and loose slabs. Hydrate of alumina, purest quality and high strength Al_2O_3, 12*l*. 10*s*. to 13*l*. 10*s*. per ton in large casks free on rails. Special pulp hydrate of alumina, 15*s*. to 17*s*. 6*d*. per cwt. c.i.f. Special pulp quality dried and in lumps, 35*s*. to 37*s*. 6*d*. per cwt. c.i.f. ; and ground, 37*s*. 6*d*. to 40*s*. per cwt. Alumino-ferric, 50*s*. to 57*s*. 6*d*. per ton ; and aluminous cake, 50*s*. to 57*s*. 6*d*. per ton, according to quality, quantity, and condition. Aluminate of soda, purest quality and high strength Al_2O_3, 27*s*. 6*d*. to 30*s*. per cwt. Carbonate of alumina, 32*s*. 6*d*. to 35*s*. per cwt.

Manchester Chemical-market.

October 12.

The market for heavy chemicals shows little change. There is some little uncertainty as to the future of caustic soda, but up to the present inquiry has been good. Contracts for the major volume of bleaching-powder have been closed, and prices range from 3*l*. 15*s*. to 3*l*. 17*s*. 6*d*. per ton softwood casks on rails. For smaller quantities 5*s*. to 7*s*. 6*d*. per ton more is quoted. White powdered arsenic easier at 12*l*. 7*s*. 6*d*. to 12*l*. 15*s*. per ton. Sulphate of copper is very uncertain owing to the position of the metal, but it is held for full late rates. Yellow prussiate is dull, and so far as cream of tarter and acids are concerned there is little movement on spot. Oxalic is 2¾*d*. to 2⅞*d*. per lb. Crude glycerin is still scarce. Coal-tar products rule quiet. Sulphate of ammonia is quoted 11*l*. 2*s*. 6*d*. to 11*l*. 3*s*. 9*d*. per ton on rails, Manchester.

Continental Drug and Chemical Markets.

Acetic Acid.—Though the general situation in this article in Germany is steady, the effect of the new tax may be reduced consumption of the taxed qualities. In the meantime higher quotations are given. Chemically pure glacial acid (98 to 100 per cent.) now rules at about 75m. per 100 kilos. (exclusive of 30m. per 100 kilos. on acid used in articles of luxury).

Cantharides (Russian).—In consequence of unfavourable crop reports the situation is much stronger, 6.40m. per kilo. having already been paid for spot lots, and now 6.50m. is being quoted. As only small quantities were apparently gathered in Russia, it is probable that the price will soon be raised to 7m.

Citric Acid is quiet, with restricted sales. Spot lots in second-hands are offered at 2.60m. per kilo., while the quotation for delivery in 1910 is 2.40m. to 2.45m.

Ergot.—It is reported from Hamburg that Russia has thrown large quantities of new crop on the market, which sold readily at 3m. to 3.10m. per kilo. Spain is also reducing its prices, and new crops are obtainable at 3.25m. per kilo. Spot stuff is still scarce, and the prices asked for Russian and Spanish are 3.20m. and 3.35m. respectively cash terms ex warehouse.

Oxalic Acid.—The price of the selling bureau for 1909 has been fixed at 60m. per 100 kilos for quantities ; as the article did not attract an adequate outlet, second-hands have done business almost all through the year on increased basis of only 2m. to 3m. per 100 kilos. Manufacturers have fixed the price for 1910 at 57.50m. per 100 kilos for contracts of 5,000 kilos. The Selling-Bureau has reduced its basis for this article by 2½m. per 100 kilos. for next year ta 57.50m.

for quantities not less than 5,000 kilos. The existing premiums for salts will continue in force.

Spirit and Preps.—With the enforcement on October 1 of the new scale of duties, the difference in value between dutiable and duty-free spirit has widened considerably, and a price reduction of 20m. per 100 ltr. is thus expected to be made by the Centrale. Ether should be considerably affected by the new spirit duty, as the increase for dutiable goods will not, as heretofore, be 160m., but about 230m. per 100 kilos.

Terpin Hydrate.—This product has advanced to 190m. to 200m. per 100 kilos.

Zinc Oxide.—Makers in the second half of September advanced their terms by 1.50m. per 100 kilos., and the general situation has gathered further strength mainly because raw material is in unusually strong demand, and considerable quantities have been contracted for. The opinion, therefore, is gaining ground that even for zinc-white higher quotations have to be reckoned with.

The Set-back in German Spirit-prices.

With the entering into force on October 1 of the new German duty on spirit the so-called "Maischraum" duty, which heretofore amounted to 16m. per hectol., was withdrawn, while the consumers' rate of 70m. was raised to 125m. In consequence of the elimination of the "Maischraum" duty, the Spiritus Centrale has been placed in a position, from October 1, to sell duty-free spirit 16m. cheaper. Thus a similar reduction has been expected in trade circles. Indeed, the Spiritus Centrale from October 1 brought down its price for duty-free prime spirit (the rate of 125m. being that paid by buyers) from 66m. to 46m.—a reduction of 20m. At the same time the rebate-price, heretofore amounting to 42m., has been fixed at 40m. Prices for denatured spirit remain without much alteration. In spite of this reduction of the quotations by the Centrale, the selling-price for spirit from October 1 stands, owing to the increased rate paid by consumers, notably higher than heretofore, and is as follows:

	To October 1.	From October 1.
Price of the Centrale ...	66m.	46m.
Consumers' rate	70m.	125m.
Selling-price	136m.	171m.

The reason why the Centrale has dropped the price by 20m. is apparently first due to the fact that a large falling-off is expected in the consumptive demand after October 1, owing to the laying-in of big stocks prior to the enforcement of the new duty. Another reason, no less apparent, is the abnormally high prices and the so-called Social Democratic "Schnapps boycott." The difference between the rebate-price and the selling-price, which used to be 24m., has now dwindled to 6m. The conclusion seems pretty well justified that this reduction should be regarded as a measure directed against the independent manufacturers of spirit, whose existence is thereby made more difficult. It is very curious that the Centrale has not disturbed prices for denatured spirit, which at present remain at 28m. to 31m. respectively. While the Centrale grants to distillers a rebate-price of 40m., it receives a premium of 18m., apart from 16m. as a return allowance for the "Maischraum" rate—together, therefore, 34m.—so that the marketing of spirit by the Centrale for industrial purposes must prove very lucrative business.

The Cinchona Situation.

In our issue of August 21 we gave an account of the proceedings at a meeting of the Preanger-Bond, held on July 5, and have now the opportunity of giving more details of the proposals culled from a further official report. Planters in Java have long been dissatisfied with the methods of analysis now in use for cinchona-bark, and Heer van Riemsdijk, in opening a discussion on the matter, pointed out that the general adoption of a satisfactory standard method is important not only for convenience in business transactions in bark, but also as affording a safe basis for the selection of cinchona varieties for cultivation. Quite recently he prepared a large sample of bark, taking the greatest care to ensure thorough grinding and mixing, and this he divided into three parts, one of which was analysed in Java and the other two by firms of great repute as quinologists in Europe. The results reported were 8.7, 9.5, and 9.8 per cent. The late Dr. Kopperschaar's results were generally believed to be too low. Heer van Leersum, continuing the discussion, said that it was not to be expected that manufacturers of quinine would adopt a standard method, since each had his own process of preparing cinchona alkaloids, and he very naturally used a method of analysis which would give him results approximating to those he would get in actual manufacture.—Heer Commolin stated that the Central Testing Stations were to publish a method of analysis, on which they would invite comments by competent authorities, with a view to the development of a method of analysis which could be used generally. He added that the Bandoeng Factory had recently reported favourably on Meisser's process. The Bond finally resolved to offer a prize of 500fl. for a good method, and Messrs. van Leersum and Commelin were asked to draw up the conditions under which this prize could be competed for.—Heer van Riemsdijk then asked leave to introduce a subject which was not on the agenda of the meeting—viz., the question of limiting the output of bark. The discussion on this subject was summarised in our issue already quoted. It is estimated that the present output of bark from Java is equivalent to about 525,000 kilos. of quinine sulphate, and that the stock of sulphate in London is 95,000 kilos. From these data Heer van Riemsdijk argued that the output could be reduced by 25 per cent. at present without producing any scarcity of quinine, and he contended that since the present price of quinine is only about 1c. per gram it could be doubled or trebled without giving room for serious objections even from a humanitarian point of view. The only obstacle in the way is that the Bandoeng Factory insists on standing out against the proposed combination of planters and quinine-makers, and pressure is now to be applied to the Government Cinchona Plantations to induce them to boycott the Bandoeng Factory as regards supply of bark.

London Drug Statistics.

The following statistics are compiled from information supplied by public warehouses. They relate to the receipts and deliveries of some of the leading drugs from and into the London public warehouses for the month of September and to the stocks on September 30:

—	September		Stocks		1909	
	Landed	Delivd.	1909	1908	Imprtd.	Delivd.
Aloes.....cs. etc.	40	120	510	462	1,436	1,259
,, ...gourds	—	—	209	1,371	92	1,091
Aniseed, star .....cs.	—	—	—	124	—	74
Arrowroot .....pkgs.	502	2,572	7,650	7,665	11,417	10,187
Balsams ... cks. etc.	95	72	567	386	700	495
Calumba ..... bgs.	—	49	51	194	76	212
Camphor ..... pkgs.	1,057	905	2,092	1,560	7,300	6,750
Cardamoms..... ,,	387	540	1,795	1,425	4,501	3,590
Cascara sagrada tons	—	30	443	*	20	193
Cinchona..... pkgs.	386	346	4,493	4,308	4,255	3,944
Cocculus indicus ,,	—	—	—	—	—	—
Cochineal..... ,,	8	86	531	662	485	681
Cubebs..... bgs.	—	1	54	141	75	141
Dragon's blood pkgs.	13	22	118	130	183	171
Galls ..... ,,	338	248	2 038	1,333	2,721	1,910
Gums—						
Ammoniacum ,,	—	—	4	4	—	21
Animi ..... ,,	42	146	318	344	805	726
Arabic ..... ,,	1,350	1,460	6,942	6,525	8,389	7,122
Asafetida..... ,,	2	17	87	374	150	248
Benzoin ..... ,,	40	131	1,147	405	2,511	1,919
Copal..... ,,	3,255	4 628	22.431	21,743	29,064	34,317
Damar ..... ,,	408	205	4,151	2,309	3,776	3,052
Galbanum ... ,,	—	—	—	—	—	—
Gamboge..... ,,	24	7	121	101	216	172
Guaiacum ... ,,	—	3	54	86	11	28
Kauri ... tons net	131	95	362	519	388	574
Kino ..... pkgs.	—	2	30	117	2	90
Mastich ..... ,,	9	—	27	13	36	18
Myrrh, E.I.... ,,	—	29	320	392	331	381
Olibanum ... ,,	82	111	762	1,780	510	1,233
Sandarac..... ,,	42	320	479	378	1,103	1,082
Tragacanth... ,,	1,692	1,285	5,935	4,715	13,172	11,416
Ipecacuanha—						
Cartagena ... ,,	3	10	71	19	166	112
E.I. ("Johore") ,,	—	—	3	30	18	20
Matto Grosso ,,	38	28	85	80	184	210
Minas ..... ,,	29	8	28	64	52	44
Jalap ..... bls.	—	11	14	24	42	42
Nux vomica . .pkgs.	397	72	1,106	887	1,039	722
Oils—						
†Aniseed, star...cs.	—	5	61	31	94	62
†Cassia ..... ,,	—	3	99	69	135	106
Castor ..... pkgs.	26	45	157	255	589	665
Coconut..... tons	34	60	193	1,154	915	2,194
Olive ..... pkgs.	199	422	1,585	2,831	4,559	4,826
Palm ..... tons	7	—	15	6	24	17
Quinine..... lb.	7,812	7,545	202.338	211,660	40.937	48,072
Rhubarb ..... cs.	134	41	616	600	354	639
Sarsaparilla ... bls.	217	103	511	190	1,246	987
Senna ..... pkgs.	627	945	829	622	3,649	3,830
Shellac ..... cs.	4,943	4,020	49,128	47,001	43 414	42,407
Turmeric ..... tons	21	21	309	293	263	190
Wax—						
Bees ... ... pkgs.	591	395	2.150	2,968	3,176	3,635
Vegetable (Jap) ,,	34	111	810	189	1,531	903

* No record.

† Stocks of essential oils at Smith's Wharf and Brewer's Quay are not included.

Correspondence

TO CORRESPONDENTS.—A letter for publication should always be a distinct communication; nothing else should be mixed up with it. Each query—no matter whether legal, dispensing, or general—should stand by itself, and the paper upon which it is written should always be backed with the shop stamp. We do not undertake to reply to queries by post. Write clearly and concisely on one side of the paper only. All communications should be accompanied by the names and addresses of the writers. Publication of letters does not imply our agreement with them. Letters received after Wednesday morning cannot as a rule be dealt with in the current week's issue.

"Arsenic, as an Impurity in Drugs."

[This is the title of Bulletin No. 181, issued by the Laboratory of the Inland Revenue Department, Ottawa, Canada. We submitted the pamphlet to Mr. Charles Alex. Hill, B.Sc., F.I.C., of the British Drug Houses, Ltd., whose work on the detection and estimation of arsenic and lead in pharmacopœial chemicals is familiar, and his observations on the Bulletin are embodied in the following letter.—Editor *C. & D.*]

Sir,—The comprehensive nature of the title chosen for this Bulletin would lead one to expect that it is the first of a series, for the only "drugs" reported on are chemicals, and these only three in number. The report deals with 448 samples, but since the number of "manufacturers or furnishers" is only from fifty to sixty, and very few of these would be the actual manufacturers of the chemicals, it seems inevitable that the same make of chemical has been analysed over and over again. The Acting Chief Analyst does not make any mention in his report of the method used for determining the arsenic—an omission which one regrets as one scrutinises the tabulated results. The samples are divided, according to the proportion of arsenic found to be present, into four classes. In the case of the six samples of sodium sulphate found to contain upwards of 10 parts of arsenic per million the proportion is stated very precisely as 53, 32, 79, 30, 50, and 105 parts per million—statements which imply very accurate determinations. In order to determine the arsenic in a sample of sodium sulphate containing 79 parts per million by either the Marsh-Berzelius or by the Gutzeit method one would be operating on not more than one-tenth of the usual quantity of substance, so that the experimental error would be correspondingly magnified. To state that a sample contains 79 parts per million, if not the expression of the mean of many determinations, would seem to claim a higher degree of precision than is actually attainable whatever method of analysis be employed. The remaining 442—out of the total 448—samples, however, are merely stated to contain either "less than 10 parts per million," "less than 5 parts per million," or "none." To chemists in this country accustomed to a test which reveals $\frac{1}{500}$ milligram of arsenic (so that one hardly ever finds "none"), accustomed, too, to differentiate between 4 and 5 parts per million, such statements seem strangely lacking in precision, and point to the use of a somewhat blunt test.

While admitting that it is impossible to regard certain of the samples examined as meeting pharmacopœial requirements, and notwithstanding that the six samples of sodium sulphate above mentioned were heavily contaminated (most probably "commercial" salts), and that twenty of the other samples of chemicals examined contained upwards of 5 parts per million, the Acting Chief Analyst in presenting his report appears to consider the state of affairs to be satisfactory on the whole, and, indeed, calls attention to the fact that a patient taking 14.2 grams of the Glauber's salt which was found to contain 105 parts per million would only receive 1½ mgm. of arsenic, "which would not be considered a dangerous dose." It is pertinent to rejoin that the patient does receive a *medicinal* dose, that Glauber's salt is used as an habitual medicine, and that arsenic is a cumulative poison. The standard for arsenic in sodium sulphate which I proposed in my paper on "The Purity of Pharmaceutical Chemicals" (*C. & D.*, May 23, 1908) is 2 parts per million, and this is easily worked to. Surely in the twentieth century the Canadian consumer of Glauber's salt is entitled to something better than "not a dangerous dose" of arsenic!

The statement that the three chemicals reported upon "are as likely as any to contain arsenic as an impurity" is not in agreement with my own experience, and it is to be hoped that the investigation will be extended to other chemicals (of which borax, boric acid, magnesia, and magnesium oxycarbonate at once suggest themselves) and to other impurities. A corresponding investigation in this country would prove highly interesting and instructive. It might also be productive of results quite as useful as those afforded by some prosecutions that have taken place under the Sale of Food and Drugs Acts.

For convenience of easy comparison I have converted "fractions of a milligram per 100 grams" into "parts per million."

Yours very truly,
Charles Alex. Hill.

Graham Street, City Road, N., October 11.

Irish Pharmaceutical Assistants.

Sir,—The formation of the Chemists' Retail Association (Dublin) should bring before pharmaceutical assistants' and qualified managers' minds the necessity of forming an association or re-establishing the old one which has fallen through. It is a pleasure to read the accounts of chemists' assistants' meetings in London and other large cities in England. I hope this letter may be the means of correspondence on this important subject.

Yours faithfully,
Tempus. (195/37.)

Transfer Agents' Commission.

Sir,—I cannot allow the statements made by Messrs. Berdoe & Fish in their letter of last week to pass without availing myself of the courtesy of your columns to remove an impression which is left in regard to one point. Allow me to state that, as a matter of fact, Messrs. Berdoe & Fish made no offer to me to divide commission with me. As the plaintiffs actually sued the liquidator to the company, by whom, as they admit, they had not been instructed, it was obviously impossible for them to succeed. The reason for the alteration of the opinion of the learned Judge during the progress of the case may be readily understood by the evidence of the purchaser, Mr. Beck, to the effect that "had it not been for Rosenberg he would never have bought the business." (See report in the *C. & D.*, September 25, p. 501). What I did in the matter was to arrange new conditions and terms to the mutual satisfaction of sellers and purchaser.

Yours faithfully,
Murray Rosenberg.

80 High Street, Stoke Newington, N.

Pharmacy in South Africa.

Sir,—The *C. & D.* reaches most chemists in South Africa, and there are not a few who have been licensed after passing the examinations in the particular Colony in which they live, which are conducted by men from their own ranks. From my experience of three of these Colonies it seems that the business side, which the Boards are partially elected to represent, has been neglected somewhat in the past. We are approaching a new dawn with the advent of a "Union Parliament," and it behoves the chemists' representatives in the Colonies to find a means for combating the unfair competition of general dealers in the sale of poisons. Only a short time ago I saw that an enterprising chemist had to close down owing to this competition in Cape Colony. This applies to other Colonies too, where one can see a chemist endeavouring to make a living with four or five stores around him carrying a combined stock of about 1,000*l.* in medicines. The dispensing of medicines by doctors also needs investigating, and it would be well if the English 1908 Act *re* the sale of sheep-dips was adopted in this country. No wonder there is a scarcity of apprentices when there is no encouragement to a youth to become a chemist under existing conditions.

Yours truly,
Frank T. S. Jennings.

Lydenburg, October 17.

Mr. W. S. Glyn-Jones's Candidature.

Sir,—Will you allow me to suggest one or two points to your correspondent "Patriæ Amans" by way of reply to his letter in the last issue of the *C. & D.*? It may be argued with some show of conviction that we should love our country better than our craft. We may leave the case of

those persons who do their country the greatest service when they leave it, and postulate that it is a good thing to live for our country. But before we can do this we must look after the means of living—in other words, we must support the craft which provides the ways and means of living. At the same time, by strengthening the craft we shall in a most practical manner assist our country; for what other calling is there which has served the best interest of the public for such an inadequate return? It seems unnecessary that for the purposes of Parliamentary representation we should classify the politics of pharmacists in this manner: (*a*) Liberal, (*b*) Pharmaceutical, (*c*) Conservative. In Class (*a*) we put all the pharmacists who would decline to support anyone but a Liberal; in Class (*c*) those who would only support a Conservative. There is still another class, whose politics are "pharmaceutical"; which is to say, that they are prepared to support any candidate of either party who will undertake to do his best to further in Parliament the interests of pharmacists. It has already been pointed out in your columns, that if any pharmacist so desires he may ear-mark his contribution so that it may be used to further the election of a candidate of his own political opinion. Hence there is not the slightest reason why "Patriæ Amans" should withhold the subscription which the adopter of a pseudonym of that kind may reasonably be supposed to give.

W. J. Uglow Woolcock.

35 Glebe Road, Barnes, S.W.

Chemists' Scales.

Sir,—In writing you last week *re* "Scales" I regret I made the very obvious error of taking Class A regulations and applying them to Class B scales—this you pointed out in your footnote. Of course, a French scale of the present-day pattern turning to $\frac{1}{10}$ grain would be a mechanical impossibility. Still, although through a slip my standard was wrong, my deduction was right, because with the Class B standard of sensitiveness ($1\frac{1}{2}$ grain on stamping and $4\frac{1}{2}$ grains on inspection) the French scales are still useless and we are put to the expense of having scales sensitive to a quite unnecessary degree for commercial counter-work. I can only suppose that the scale-makers are well represented in Parliament, for this preposterous enactment will certainly benefit no one else.

Yours faithfully,

Midlands. (198/18.)

Sir,—I am pleased to see that at last there is some much-needed light thrown upon the scale question by your interview with Major P. A. MacMahon. It is a great pity, however, that the Board cannot be more explicit in its scheduling, as there is no reason why it cannot be definitely stated that these scales (Board of Trade Regulation 75) only apply to operations in dispensing, and the weighing, for retail, of small quantities of fine chemicals. These restrictions still exist so far as the schedule is concerned, and until some order is promulgated by the Board to local inspectors, so long shall we be harassed and put to unnecessary expense by the visitation of their much too zealous subordinates. I take no exception to dispensing-scales, although it is a curious fact that since the Board have had the construction of scales under review, they have not condemned chains in these delicate instruments. In the first place, for the counter, chemists are selected to have in use a scale showing much greater delicacy than is demanded by other traders selling over the counter almost everything a chemist stocks. With what class of scale, may I ask, is a grocer supposed to weigh borax, soft soap, etc.? as only two items are stated in the schedule—viz., tea and coffee. Does this exempt grocers, stores, ship-chandlers, etc., from using a more delicate instrument when selling all the other items which we, as chemists, usually sell? In the second place, another reason why this matter should be taken up at the present time is that the question of structure and types of weighing-machines should be carefully considered. The legend attached to most circulars from interested parties, "Designed and guaranteed to meet the requirements of the Board of Trade Regulations," "must give us pause," when one looks in the working parts of the machines illustrated and specified. For instance, a 2-lb. scale, which, when fully loaded, carries a weight on its centre knife-edge of 7 lb. 6 oz., there is the 2-lb. weight, 2 lb. of material, and I have ascertained that the beam and its pendants weigh 3 lb. 6 oz., making in all 7 lb. 6 oz. every time 2 lb. of goods is weighed. This machine has a "fine steel knife-edge working on a steel bearing." Can anyone imagine that a fine steel knife-edge working on a steel base, submitted hundreds of times to a strain of over half a stone, will be able to retain its delicacy for more than a few weeks? I, for one, don't. Yet we are told that this machine is designed and guaranteed to meet the requirements of the Board of Trade regulations. How long, with ordinary use, is it guaranteed for? That is the question. I mentioned chains in connection with dispensing scales. They are objectionable only in a less degree for counter-sales, as they contribute in no small measure to errors. The first time these are cleaned it will throw our scales hopelessly out, unless it is assumed that we bring a microscope into use for the boy to examine each link in order that a particle of dust be not left undetected to mar the beautiful equilibrium of this delicate instrument. And on this account, with the new standards, they are to be condemned. The whole scale question is a Departmental muddle, and needs modifying by practical men.

Leicester, October 9. A. E. Foreman.

[We had thought that scale-cleaning was almost a thing of the past, since lacquering obviates it, especially with respect to chains.—Editor *C. & D.*]

Chemists' Organisation.

Sir,—I should like to point out to some of my colleagues the deplorable state of pharmacy in the East of London. There are at least thirty to forty drug-stores in the district, the large majority of which are owned by unqualified foreigners. I can assert on unimpeachable authority that nearly all of them retail poisons and transact the same business as, and even more than, a qualified chemist. The people, too, make use of the title "Chemist"—calling themselves "Deutsche Apotheke" or using the Russian term. As a result of this deliberate evasion of the law we find barbers, shoemakers, ironmongers, etc., in charge of drug-stores selling every single article which a qualified chemist retails, and without having exerted themselves in the least degree to obtain the requisite training and qualifications. The lack of organisation which exists in most English professions is proverbial, but surely this state of affairs in our own profession should no longer be tolerated. I think the time has arrived when chemists should do something for their own protection. It is to the interest of the public as well as ourselves that a strong organisation should be formed whose *raison d'être* would be to do away with the many anomalies which exist in the profession. I myself would welcome the formation of such a society among qualified chemists, and would feel grateful if any members of the profession who approve of some such step being taken would communicate with me. Yours truly,

Palatine Road, Stoke Newington, S. Harris.
October 6.

Esperanto and Ido.

Sir,—Pharmaceutical and medical students of international auxiliary languages must be quite pleased to note your occasional references to and examples of Esperanto in the pages of The Chemist and Druggist. They may know something of Volapük, of Bolak, of Spokil, of Universal, of Idiom Neutral, of Esperanto, but may have still wished for a vehicle of communication more easy, more logical, more really international. To such may I, with your kind permission, introduce Ido, the recently discovered international auxiliary language? Volapük, Idiom Neutral, and the others being out of the running, owing to causes to which I need not refer here, leave but two competitors in the field, Esperanto and Ido. Esperanto is a terror to very many English-speaking people. Its verbal mouthfuls are more than they can master, and to-day we find thousands of old Esperantists all over the world converts to the simpler and more logical, as well as more international, Ido. To the medical and pharmaceutical professions Ido will be at sight more familiar and understandable than their beloved Latin; not so Esperanto. Let me in a

few sentences point out the advantages of Ido over Esperanto.

1. All accented letters are done away with, making it possible to print the language anywhere, while preserving phonetic spelling and often restoring the international orthography.
2. Suppression of a few grammatical rules that were unnecessary and very troublesome for most nations, and chiefly for people with little knowledge of grammar (accusative, agreement of the adjective).
3. Word-building made regular, this being the only means to prevent the influx of national idioms and to give a solid basis to the scientific and technical vocabulary, without which the international language cannot obtain a footing in the world of science.
4. The vocabulary made richer by the adoption of new roots, carefully selected according to the principle of the maximum of internationality. All the words are formed from international roots—*i.e.*, roots found in most European languages—so that they are known without study by every fairly educated man.

Ido is not a new language to learn : it is the quintessence of European languages. But it is easier beyond comparison than any of the latter, on account of its absolute simplicity and regularity : no unnecessary rules, no exceptions. It is learnt by reading; when you can read it, you can write it; when you can write it, you can speak it. To emphasise the differences between Esperanto and Ido, I send you two translations of a communication that has already appeared in your columns (September 18, p. 491). Printing these in parallel columns will give point to the argument above expressed. Let me say in conclusion that I shall be happy to give any information in my power to inquirers into the subject.

Yours truly,

Greatbridge, October 5. Jas. Lock.

Esperanto.

Aldonite vi trovos la recepton por miksajo kiun mi deziras meti antau la legantoj de The Chemist and Druggist. Tiu ci miksajo estis disdonita de mi perfekte klara sen filtrado kaj sen in aldono au sango al la ordonoj de la kuracisto. La kliento, kiu estas uzinta la diritan miksajon senintermanke en la dauro de pli ol ses jaroj, diras al mi ke en multaj farmacie joj en Anglujo kaj en Francujo oni estas liverinta al li malklarajn preparajo jn kun multe da precipitato jen pulvora jen kristala.

Ido.

Kun to vu trovos la recepto por mixuro quan me deziras pozar avan la lektanti de The Chemist and Druggist. Ta mixuro esis farmaciita da mo tute klara sen filtro, e sen irga adjuntajo od altereso pro la instruoioni de la medioinisto. La kliento, qua uzis ta mixuro kontinue dum plu kam sis yari, dicas a me ke de nombro di apoteki en Anglio ed anke en Francio il esis furnisita kun malklara preparaji havante abunda precipitajo kelkafoye pulveratra ed altrafoye kristalatra.

The Dental Outlook.

Sir,—Some time ago you kindly allowed me space in your columns to draw attention to the fact that unless chemists who undertook dental work did not keep a sharp outlook, they might find themselves deprived of a great part of that business, owing to the persecution of the British Dental Association, which was, for the time being, revelling in the absurd interpretation of the Dentists Act produced by the Barnes *v.* Brown case—which decision was negatived in the Court of Appeal in May of this year.

At the general meeting of the British Dental Association held in Birmingham in July it was decided to seek amendment of the Dentists Act of 1878, and a special committee has been formed, I believe, to draw up new rules and regulations, with that object, if not to formulate a new Bill for Parliament. Some months ago an attempt was made to form a Chemist-Extractors' Association. Those interested know what a miserable failure it was. However, since then the National Dental Association has been formed, and will accept as members all who apply and can show that they are *bona-fide* engaged in the practice of dentistry, whether registered or not. I would advise those chemists who have not become members by all means to do so—the sooner, the better. Don't stand aloof and say, "Well, whatever you may get, so shall I." Remember that in the story the horse was eventually lost for want of a nail, and that it may take all the water—even to a few extra drops on the wheel—to move the machinery of legislation in the way that will ensure to us the continuance of that part of our business. The objects of the National Dental Association are the unification of those engaged in dentistry at the present time, irrespective of qualification, and to help to place dentistry on a more solid basis and remove the anomaly of the Act of 1878. Seeing that we cannot become members of the Incorporated Society of Adaptors and Extractors of Teeth, I would urge all chemists who undertake dental work to join the National Dental Association, and, by so doing, unite in protecting not only themselves, but others in the same business.

Yours, U. D. P. (188/47.)

Information Received from Subscribers.

Dulcamara Correspondence.

Sincere congratulations to "C. C. B." in this week's issue (October 9). His dose of oil must have been not only "sweet" but also "sublime olivo" to have produced so satisfactory a result. It is a pleasure to have been the unwitting cause of its production, and I feel sure he now feels much better.—*Veteran.* (194/90.)

Income and Pleasure.

I am quite satisfied that the *C. & D.* is regarded as a very valuable trade and technical guide, and that many chemists (sometimes without knowing it) add very materially to their incomes by adopting ideas gathered from its pages, to say nothing of the pleasure they derive in reading of the doings of their brethren in other parts of the world, and matters of general interest.—*A New Zealand Pharmacist.* (164/15.)

A firm in Bangkok, Siam (240/10), renewing their subscription to the *C. & D.* for *four* years in advance, write: "The Jubilee Number is in our hands, and we congratulate you on a successful issue. Not by any means the least interesting part of the volume is the advertisements, and we can recommend them to the attention of all serious business chemists."

The Red Show-bottle.

I see an inquiry for red show-bottle. The following formula has stood the test of fifteen years without change. The colour may be from pink to a rich scarlet:

Acidulate the required quantity of water with sulphuric acid at the rate of half an ounce to one gallon of water. Make a solution of crocein scarlet in water, and add to the acidulated water to the required depth of colour; then filter.—*J. H.* (197/7.)

Ptomaine-poisoning.

The numerous instances of this fatality renders it advisable that chemists should and would be able to administer as first aid (which is indeed the most important item) in cases that may come under their notice. "The Lancet," October 2, contains a letter on the subject describing the symptoms and successful treatment of this insidious and generally fatal complaint. Antiseptic remedies, such as permanganate of potassium, formaldehyde, and charcoal, are efficient to cope with the deadly poison, followed by small doses of liq. strych. and acid. phosph. dil. There is great prostration of strength: as a restorative Coleman's Wincarnis is recommended.—*Senex.* (194/2.)

Price Problem.

J. C. B. (153/12) told in the *C. & D.*, September 25, p. 522, that a lady wanted a bottle of Eno's Salt from him at 1*s.* 8½*d.*—the price at which, she said, she got it elsewhere. We asked subscribers to illustrate, from experience, what they would do in such circumstances. We append replies additional to those already given:

On rare occasions I have met with the same experience as "J. C. B.," and in such cases I always, in a polite manner, explain that the price given is actual cost, and back up my statement by offering to purchase the article at her own price, at the same time intimating that I am open to take further supplies at the same figure.—*W. H. Goy.*

A propos of "J. C. B.'s" encounter with the lady and Eno's Fruit Salt, the following instance of feminine perspicacity may be noted. It actually occurred in my pharmacy a few years ago. Enter gent.: "What's your price Scott's Emulsion?" Answer: "Our price 1*s.* 8*d.*" Gent.: "Oh! Blank & Co. [a well-known local stores] do it at 1*s.* 7*d.* But never mind, the missis gave me a twopenny 'bus-fare to fetch it, she thought you were a penny dearer. Let's have it now, and I'll take a short walk."—*Q. E. D.* (180/8.)

Re lady customer who says she can buy Eno's Salt at 1*s.* 8½*d.* at stores round the corner. I have frequently met with this particular problem of price, and on the principle of "what you lose on the roundabouts you get back on the swings," I have not only met the price, but have offered to deliver the article at the customer's address. At the same time I used my most eloquent and persuasive powers to induce my customer to buy other goods, and often, as a result of my diplomacy, have eventually secured a good and regular customer. Customers should always be treated with the utmost consideration.—*R. Mudie.*

A customer called here the other day and gave just such a statement, and I put before her two salines—one at 1*s.*, and told her that one was as good as Eno's, and one at 1*s.* 6*d.*, and told her it was "the best on the market." I also showed her Eno's. She went away satisfied with the 1*s.* 6*d.* saline.—*Vulcan.* (178/15.)

I should tell the Eno's Fruit Salt "lady" to go and get it round the corner. Ladies like these are best in corners. I would not (knowingly) supply anything at cost price. I would not say (even to myself) that she was a daughter of Sapphira; perhaps I might be tempted to say, at my leisure, of this lady what David said in his haste of all men.—*Pheidoppides.* (178/25.)

I had a customer recently who wanted a 7-lb. box of Tidman's salt, stating that she got it before at ——'s for 10*d.* I said I was sure Mr. ——'s assistant must have sold at that price in error, as it cost more than 10*d.* wholesale. However, she thought not, as she had had it more than once. I then compromised and offered to supply at 11*d.*, also offered to send it home. My offer was accepted, and I sent the box a distance of about half a mile to the suburbs. The result was most profitable: she is now a regular customer for numerous items, and never questions other prices. Grocers are the chemist's worst enemy here.—*Coccus.*

One customer wanted 1*s.* 1½*d.* Scott's Emulsion for 8½*d.*; said he had never paid more at Dalston, and was very persistent on the point. I offered to give him 1*s.* for every one he obtained at the price on condition it was a genuine sale and he brought a receipt for it. Some time after he came to the shop again, and said I was right about the Scott's: he could not get it under 1*s.*; he was sorry he made the mistake. On unprofitable patents like Eno's Salt, or Valentine's Juice, I often tell customers the actual cost, and ask them what they consider a fair profit. Quite a number ask if I can recommend anything similar, where a reasonable profit is not allowed. I have found them regular customers for the article recommended afterwards. One customer complained that she always paid ½*d.* less at Boots' for Valentine's Meat-juice. And her coachman afterwards told me she would often give him 6*d.* to fetch her two bottles from Boots' at Stratford—four or five miles away!—*W. E. Gaze.*

[We shall send copies of the "Chemists' Medical Dictionary" to the following contributors of experiences in the treatment of those awkward customers who want something for nothing in way of profit: T. Smith, "Trader," "S. H. P." "Coccus," and W. E. Gaze.]

Legal Queries.

Before submitting questions for reply in this section please refer to the "C. & D. Diary, 1909" for the following subjects: Income-tax, p. 220; Pharmacy Law and Poisons, p. 216, (abroad) p. 211; Spirit Laws, p. 229; Stamped Medicines, p. 221; Trade-marks, p. 194; Wines, Sale of, p. 231; and Legal matters generally, p. 233.

S. & S. (198/20).—A medicine described as "Dr. Smith's Mixture" is liable to stamp-duty although not recommended for ailments, whether the Dr. Smith exists or not.

Employer (242/27).—Payment of wages to an employé during holiday is an act of grace, and not a legal obligation upon the employer except in cases where the payment is provided for by agreement.

Gentian (197/66).—Magistrates do not as a rule make any order for the suppression of a barking dog unless several neighbours complain, and prove that they have exhausted amicable means of stopping the nuisance.

Medicus (196/48).—Dispensing for three years with a medical practitioner is at present sufficient for entrance to the Minor examination. The question as to what part of each day is devoted to the work has not been raised.

Inquirer (198/52) has had a call from the local inspector of weights and measures, who seems to think that our subscriber must discard a set of French scales and get a pair of beam-scales. It has been agreed between the chemist and inspector that the matter should be referred to the *C. & D.*, and we understand that the scales are accurate. [Our reply is to get the inspector to read the article in our issue of October 9, p. 576. The Board of Trade Superintendent most distinctly says that such scales may be used if they are accurate.]

Miscellaneous Inquiries.

Yeoman (187/12).—Dummy Cod-liver Oil.—Water (containing 20 to 30 per cent. of common salt) tinted feebly with potassium chromate is satisfactory.

G. D. (219/23).—Hoof-dressing.—See *C. & D.*, April 24, p. 661.

C. W. J. (185/37).—Qualifying as a Dispenser.—The information on this point was given in detail in the Educational Number (*C. & D.*, August 14), which can be obtained from the publisher for 6*d.*

S. H. & Co. (185/25).—Syrup of Violets and Oil of Almonds ferment on keeping and shaking, owing to the finely divided state of the syrup, which offers plenty of surface for the action of the air. It is usual to keep only small quantities mixed ready for retail, but the amount necessarily depends on the extent of the business.

A. B. (185/14).—We see no reason why ordinary glue, such as is used by carpenters, should not answer for sticking the ends of the cork circles used for stoppers. It would be much more satisfactory if you would explain the difficulties you have experienced, so that we could see where the trouble lies.

R. J. I. (180/42).—Dyeing Toe-nails of Dog.—The Pomeranian's white toe-nails can be blackened by using solution of silver nitrate either alone or followed by the application of ammonium sulphide.

Acacia (182/7).—Apothecaries' Hall Examination.—The books required for this are the simpler ones of those used by Minor students (see *C. & D.*, August 14, p. 314). Two special guides have been published—Stanley's "Manual for Assistants' Examination" (Renshaw, 3*s.* 6*d.*), and Thomson's "Apothecaries' Hall Manual" (Whittaker, 2*s.*)—which would give you an idea of the scope of the examination.

Dibbs (187/30).—Cough-mixture for Children.—There is a wide range of mixtures for coughs in children, and the following is a type which may be sold as being both efficacious and safe:

Glycerini	lb. iss.
Oxy. scillæ	lb. iss.
Syr. rhœados	lb. iss.
Syr. tolu	lb. iss.
Ext. ipecac. liq.	℥iv.
Ol. ricini	lb. ss.
Ol. anisi	ʒij.

Dose: From half to one teaspoonful, according to age.

Pepsin (Bombay) (186/1).—Pepsin Test.—The colour and tests for pepsin are laid down in the British Pharmacopœia, but it must be confessed that the official directions yield contradictory results according to the way they are interpreted. Lucas has suggested that the sources of error are the difficulty of obtaining the white of egg in shreds and of weighing out so small a quantity as 0.005 gram of a hygroscopic substance like pepsin. He proposes to employ 20 c.c. of pepsin solution (equal to 0.005 gram of pepsin) made as follows:

Triturate 0.25 gram pepsin and 1 gram sodium chloride in a small mortar until evenly mixed; add acidulated water very carefully at first, mix well, and transfer to 1,000-c.c. flask; wash the mortar well with more of the acidulated water to make the solution up to 1,000 c.c. Preserve for twenty-four hours, shaking at intervals and immediately before use.

The amount of albumen dissolved does not indicate the real digestive power of pepsin, and Messrs. Cowie & Dickson (*C. & D.*, February 24, 1906, p. 297) have devised an assay-process by the biuret reaction, which measures the amount of peptone produced in a given time and under definite conditions.

Coccus (187/31).—Sausage-colouring.—This appears to be naphthylene red, which, like your sample, gives a violet-black precipitate with hydrochloric acid and is unchanged with caustic soda. You had better obtain a sample of naphthylene red and see if it answers the purpose. The colour is generally let down with some diluent, as the dyes are too strong to employ in the pure state.

D. F. (175/53).—Green Ink for Duplicating Ribbon:

Methyl green	4 parts
Distilled water	10 parts
Acetic acid	10 parts
Alcohol	10 parts
Glycerin	70 parts

Mix.

Most red aniline dyes are altered by mineral acids, but you might try acid magenta in place of the methyl green in the above formula, which would probably give you the acid ink you desire.

Bismuth (180/67).—Why not ask your wholesale house to exchange the bismuth citrate for carbonate? To convert it into carbonate you must make liquor bismuthi with it, precipitate with sodium-carbonate solution, collect, wash, and dry.

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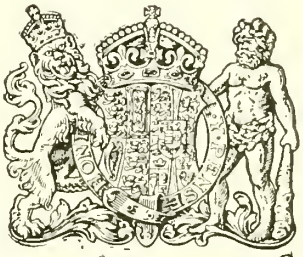

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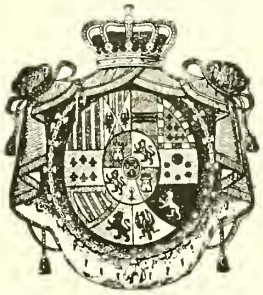

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Concentrated Crystal Soda.

This sodium compound (sodium sesquicarbonate) is a variety of carbonate of soda in small silky crystals, containing much less water than ordinary washing soda; 1 lb. of it does the work of 2 lbs. of washing soda. Concentrated crystal soda is excellently suited for chemists' trade; they can make a speciality of it, and it is also suited for making water-softeners, brush powders, hair-wash powders, and the like.

Pure Alkali.
58 Degrees.

A dry white powder; dissolves quickly and easily in water, making an excellent detergent for use by printers, bleachers, dyers, and for bottle washing. Is nearly equal to 99 per cent. carbonate of soda; is much used by glass, paper, and soap makers. The best alkali for soap powders and washing powders.

Pure Soda Crystals.

NOTE.—Proceedings have been taken by the Board of Trade against a person for selling as Soda Crystals an adulterated article, and the High Court has upheld the conviction. See the case of FOWLER *v.* CRIPPS, heard on 8th November, 1905, before a Divisional Court, consisting of the Lord Chief Justice, Mr. Justice Wills, and Mr. Justice Darling.

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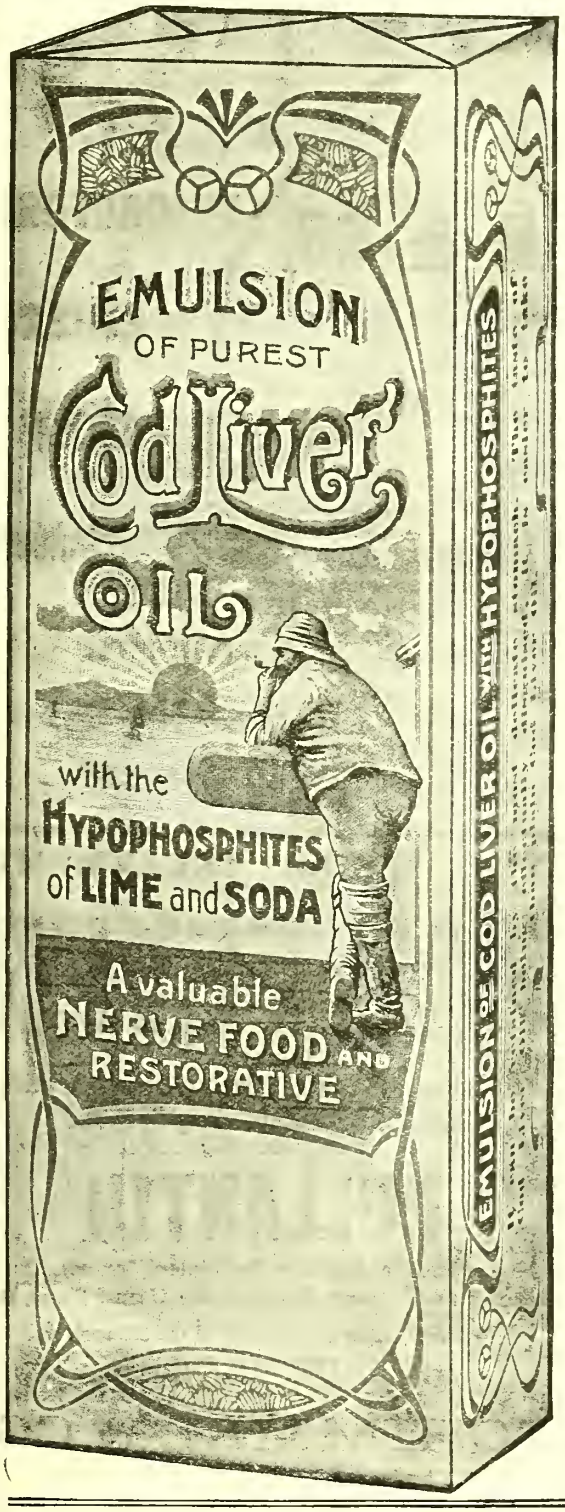

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Including Name and Address on Wrapper and inside Label.

	Dozen.	6 Dozen.
3 oz.	4 6	4 3
4 ,,	5 -	4 9
6 ,,	6 9	6 6
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12 ,,	11 -	10 6
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Duncan, Flockhart & Co.
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Pinkerton, Gibson & Co.
Raimes, Clark & Co.
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Silversides, R. B. G.
Southall Bros. & Barclay.
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Finlay & Branswig, New Orleans.
Langley & Michaels, San Francisco.
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Muth Brothers & Co., Baltimore.
Roller & Shoemaker, Philadelphia.
Schieffelin, W. H., & Co., New York.
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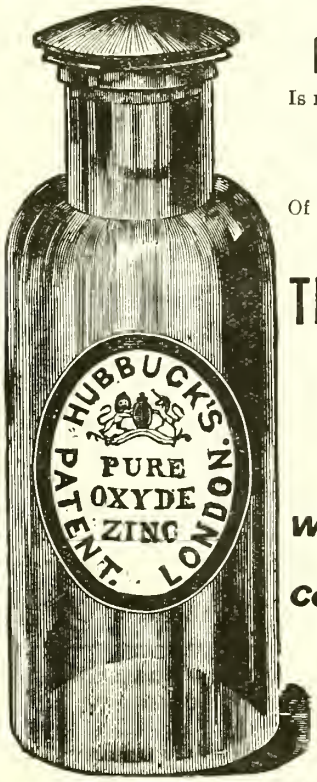

HUBBUCK'S PURE OXIDE

Is made by Sublimation, and is Warranted to contain upwards of

99 PER CENT.

Of Pure Oxide; in fact the impurities are not traceable.

THOS. HUBBUCK & SON, LTD.

(Established 1765).

24 LIME STREET, LONDON, E.C.

Manufacturers of—

White Lead, White Zinc, Paints, Oils, Colours, Varnishes, &c.

Australian Office—
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The Manufacturers supply their Pure Oxide Wholesale only, in quantities of not less than 2 cwt.

ROBERT BLACKIE

SHEN WORKS, Tower Bridge Rd.

SPECIALIST FOR

SPUN OINTMENTS

(Reg. Trade Mark.)

UNEQUALLED.

MAG. CIT. ... ... No. 1, **56**/- cwt.; No. 2, **64**/- cwt.; No. 3, **72**/- cwt.

SALINE ... ... No. 1, **46**/- cwt.; No. 2, **60**/- cwt.; No. 3, **10**d. lb.

Bulk and Packed.

LIME CREAMS in all sizes

With various labels and varied finish. A homogeneous Pure White Cream, which keeps indefinitely and will not go thick or separate.

PRICES.

3 oz.	4 oz.	6 oz.	8 oz.	White French Limes.
21/- to **24**/-	**24**/- to **30**/-	**30**/- to **36**/-	**40**/- to **48**/-	per gross.

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Fine Chemicals—Pure Alkaloids.

ACETYL. SALICYL. ACID.
'AIROL.'
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GUAIACOL PREPS.
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'Roche' Chemicals answer the requirements of the various Pharmacopœias.
THEIR STANDARD QUALITY IS RECOGNISED.

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25% Protected Profit

Prices of Iron-Ox Tablets to the Trade.

One Shilling size	Under 6 dozen **10/-** per dozen net. Cash with order. 6 dozen **9/9** per doz. net in 30 days, or **9/6** cash in 10 days. 12 ,, **9/3** do. do. or **9/-** do. do.
Four Shilling size	Under 1½ dozen **40/-** per dozen net. Cash with order. 1½ dozen **39/-** per doz. net in 30 days, or **38/-** cash in 10 days. 3 ,, **37/-** do. do. or **36/-** do. do.
Mixed Orders	The above terms for 6 dozen **1/-** size, or 1½ dozen **4/-** size will be given on mixed orders value **£3.** And our very best terms on mixed orders value **£6.**

Retail Price P.A.T.A. PROTECTED **1/-** and **4/-** face value. Carriage paid on all goods.

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IRON-OX

TABLETS.

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PRICES ISSUED WEEKLY.

Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this paper on Terms as below.

Heliotropine, 1 lb. @ 7/- lb.
Hellebore White Powder (Foreign Ground), 1 cwt. @ 28/6 cwt. [@ 2/4 lb.
Hexametbylenetetramine, 7 lbs. @ 2/2 lb.: 1 lb.
Honey, White Set, 28 lbs. @ 47/- cwt.
Hydrargyrum P.B., 75 lb. bottle @ 172/-; 10 lbs.@ 2/5 lb.; 1 lb. @ 2/9 lb; Amon., 28 lbs. @ 2/11½ lb.; o. Creta, 28 lbs. @ 1/4 lb.; Iodid. Rub., 28 lbs. @ 8/7½ lb.; Oxid. Rub., 28 lbs. @ 2/10½ lb.; Perchlor. 28 lbs. @ 2/4 lb.; Subchlor., 28 lbs. @ 2/8 lb.; Sulph. c. Sulpb., 28 lbs. @ 2/5½ lb. 7-lb. quantities 1d. lb. extra, 3 lb. quantities 2d. lb. extra, 1 lb. quantities 3d. lb. extra.
Hydrokinone, 7 lbs. @ 3/- lb.; 1 lb. @ 3/4 lb.
Icbtbyol Ammon., 3 lbs. @ 10/9 lb.; 1 lb. @ 11/-lb.
*Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/1 lb.
* „ Aurant. Comp. Oonc., 1 to 7, 6 lbs. @ 1/3 lb.
* „ Buchu Oonc. 1 to 7, 6 lbs. @ 1/1 lb.
* „ Calumbæ Oonc., 1 to 7, 6 lbs. @ 11d. lb.
* „ Caryoph. Oono., 1 to 7, 6 lbs. @ 11d. lb.
* „ Cascarilla Conc., 1 to 7, 6 lbs. @ 1/2 lb.
* „ Cinchonæ Acid, 1 to 7, 6 lbs. @ 1/7 lb.
* „ Gentianæ Oo., 1 to 7, 6 lbs. @ 11d. lb.
* „ Quassiæ Conc., 1 to 7, 6 lbs. @ 9d. lb.
* „ Rbei Cono., 1 to 7, 6 lbs. @ 1/5 lb.
* „ Rosæ Acid. Cono. 1 to 7, 6 lbs. @ 1/8 lb.
* „ Senegæ Conc., 1 to 7, 6 lbs. @ 2/- lb.
* „ Valerian Conc., 1 to 7., 6 lbs. @ 1/3 lb.
Insect Powder, Opt. English grd., closed flowers, 28 lbs. @ lb.; 7 lbs. @ lb. Foreign grd., 1 cwt. @ 80/- cwt.; 28 lbs. @ 9d. lb.
Iodoform Pulv. B.P., 7 lbs. @ 12/- lb.; 3 lbs. @ 12/4 lb.; 1 lb. @ 12/7 lb. [lb.
Iodum, resub. B.P., 7 lb. @ 10/6 lb.; 1 lb. @ 11/3
Isinglass, Brazil, fine cut, 7 lbs. @ 3/9 lb.; 1 lb. @ 4/- lb.; Russian finest, 7 lbs. @ 10/6 lb.; 1 lb. @ 11/- lb. Ribbon or Sheet, 7 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.
Lapis Pumicis, fine powder, 2 cwt. @ 8/- cwt.; 7 lbs. @ 1½d. lb.; lump, 2 cwt. @ 12/- cwt.; 7 lbs. @ 3d. lb.
Licorice Juice, 4 and 2 oz. Sticks, 5 cwt. @ 57/- cwt.; 1 cwt. @ 58/- cwt.; 28 lbs. @ 7d. lb.; 7 lbs. @ 7½d. lb.
*Lin. Aconiti Meth., 5 lbs.@ 1/2 lb.; 1 lb. @ 1/5 lb.
*Lin. Bellad. Meth., 5 lbs. @ 1/5 lb.; 1 lb. @ 1/8 lb. [@ 11½d. lb.
Lin. Camph. P.B., 40 lbs. @ 10½d. lb.; 9 lbs.
Lin. Sapo Meth., 9 lbs. @ 7d. lb.
Lin. Tereb. Acet., B.P., 9 lbs. @ 1/- lb.
Linseed o. Oil, Crushed, 3 cwt. @ 16/- cwt.; 1 cwt. @ 16/6 cwt.
Linteum, 1 lb. @ 1/4 lb.
*Liq. Ammonii Acetatis Conc. 1-7, 6 lbs. @ 10½d. lb.; 1 lb. @ 1/0½ lb.
*Liq. Ammon. Aromat., 6 lbs. @ 9d. lb.
* „ Antim. Chlor. Pure, 8 lbs. @ 6½d. lb.
* „ Arsenicalis, B.P., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
* „ Arsenil Hydrochlor., P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
* „ Bismuth. P.B., 6 lbs. @ 10½d. lb.
* „ Copaiba Bucha et Cubeb, 5 lbs. @ 2/6 lb.; 1 lb. @ 2/10 lb.
* „ Easton., p.s. 1-3, B.P., 1 lb. @ 3/- lb.
* „ Ferri Dialysatus, 6 lbs. @ 7d. lb.
* „ Ferri Iod. p.s. 1-7, 1 lb. @ 5/9 lb.
* „ Ferri Perchlor. Fort. P.B., 7 lbs. @ 4d. lb.
* „ Ferri Phosph. Co. p.s. 1-7, 7 lbs. @ 1/6.
* „ Hypophosph. Co. p.s. B.P.C., 1 lb. @ 3/4 lb.
* „ Iodi Fort. B.P., 5 lbs. @ 4/9 lb.
* „ Morphinæ Acet. or Hydrochlor. P.B., 6 lbs. @ 2/4 lb.
* „ Opii Sed., 5 lbs. @ 3/3 lb.
* „ Plumbi Subacet., B.P., 7 lbs. @ 2½d. lb.
* „ Pruni Virg. p.s. 1-7, 5 lbs. @ 2/2 lb.
* „ Rhœados pro syr., 1 to 7, 5 lbs. @ 1/11 lb.
* „ Rhei p.s. 1-7, 6 lbs. @ 2/2 lb.
* „ Santali Oo., 1 lb. @ 3/- lb.
* „ Sennæ Dulc., 6 lbs. @ 1/4 lb.
* „ Sennæ pro Syr. 1-7, 6 lbs. @ 2/- lb.
* „ Strychninæ, Hyd. B.P., 6 lbs. @ 1/6 lb.
* „ Tolut. pro. Syr. 1-7, 6 lbs. @ 1/3 lb.
* „ Trinitrini B.P. 1 lb. @ 6/1 lb.
Lithii Carb., P.B., 28 lbs. @ 2/- lb.; 7 lbs. @ 2/2 lb.; 1 lb. @ 2/4 lb. [2/9 lb.
„ Citras, B.P., 28 lbs. @ 2/6 lb.; 7 lbs. @
Lycopodium, 22 lbs. @ 1/10 lb.; 7 lbs. @ 2/- lb.
Mag. Calc. Levis, 56 lbs. @ 8d. lb.; 5 lbs. @ 10d. lb.; 1 lb. @ 1/- lb.
Mag. Calc. Pond., 7 lbs. @ 1/10 lb.; 1 lb. @ 2/- lb.
Mag. Carb. Pond., 56 lbs. @ 6½d. lb.; 7 lbs. @ 7½d. lb. [4d. lb.
Mag. Carb. Levis, 70 lbs. @ 3d. lb.; 7 lbs. @
Mag. Cit. Gran., 28 lbs. @ 8d. lb.; 6 lbs. @ 9½d. lb.
Mag. Sulph., fine druggists'. B.P., 1 cwt. @ 6/- cwt.
Manna, fine New Flake, 14 lbs. @ 3/- lb.; 7 lbs. @ 3/2 lb.; 1 lb. @ 3/8.
Menthol. dry white cryst., 60 lbs. @ 8/8 lb.; 5 lbs. @ 9/2 lb.
*Mist. Sennæ Comp. B.P., 20 lbs. @ 6½d. lb.; 6 lbs. @ 7½d. lb.
Morphinæ Acet. Hydrochlor. or Sulph., Pulv., B.P., 25 oz. @ 7/2 oz.; 16 oz. @ 7/3 oz.; 8 oz. @ 7/5 oz.; 1 oz. @ 7/9 oz.; Pur Præcip., Bimeconate or Tart., 1 oz. @ 9/9 oz.
Morphine Diacetyl., 4 oz. @ 10/3 oz.; 1 oz. @ 10/9 oz.; Hydrochlor., 6d. oz. less.
Myrrb, Gum, English Ground, 28 lbs. @ 1/1 lb.; 7 lbs. @ 1/4 lb.
Naphthaline Oandles or Balls, 1 cwt. @ 12/- cwt.; 56 lbs. @ 14/- cwt.; 28 lbs. @ 15/6 cwt.
Nux Areca, 1 cwt. @ 22/- cwt.; 7 lbs. at 3d. lb.; powder, English ground, @ 59/- cwt.; 7 lbs. @ 7½ lb.
Ol. Amygdal. Ang., B.P., 9 lbs. @ 2/4 lb.
Ol. Amygdal. Essent. Artificial, free from Chlorine, 5 lbs. @ 3/- lb.; 1 lb. @ 3/9 lb.
Ol. Anetbi Ang. B.P., 1 lb. @ 12/- lb.
Ol. Anisi, E.I., 66 lbs. @ 4/8 lb.; 16⅔ lbs. @ 4/11 lb.; 1 lb. @ 5/6 lb.
Ol. Anrant, 12 lbs. @ 9/- lb.; 1 lb. @ 10/- lb.; not guaranteed absolutely pure.
Oil of Bays, genuine W.I., 9 lbs. @ 8/- lb.
Ol. Cajuput, B.P., 16 oz. Bots., @ 2/9 lb.
Ol. Campbor. Essent., White, 80 lbs. @ 42/6 cwt; 40 lbs. @ 44/- cwt.; brown, 80 lbs. @ 66/- cwt.; 40 lbs. @ 67/6 cwt. [@ 3/5 lb.
Ol. Caryoph. Ang., B.P., 9 lbs. @ 3/3 lb.; 4½ lbs.
Ol. Cassiæ, 16⅔ lbs. @ 4/4 lb.; 6 lbs. @ 4/7 lb.
Ol. Cinnam. B.P., 1 lb. @ 28/- lb.; 1 oz. @ 2/2 oz.
Ol. Citronelle, 9 lbs. @ 1/4 lb.
Ol. Cocoa Nucis, finest White, 80 lbs. @ 43/- cwt.; 40 lbs. @ 5½d. lb.
Ol. Eucalypt., B.P., 1 cwt. @ 1/1½ lb.; 28 lbs. @ 1/2½ lb.; 9 lbs. @ 1/3½ lb.
Ol. Geranii Gall. Opt., 1 lb. @ 18/6 lb.; 8 1-oz. bots. @ 1/11 oz.; 1 oz. @ 2/1 oz.; Turc., 1 lb. @ 9/- lb.; 4 oz. @ 12/6 lb.
Ol. Gynocardia, 5 lbs. @ 2/6 lb.; 1 lb. @ 2/10 lb.
Ol. Juniperi Bacc., B.P., 4½ lb. @ 3/5 lb.; 1 lb. @ 3/9 lb.; Ligne Exot., 1 cwt. @ 1/2 lb.; 28 lbs. @ 1/4 lb.; 9 lb. @ 1/5 lb. [8/- lb.
Ol. Lavand. ab Flor., 5 lbs. @ 7/- lb.; 1 lb. @
Ol. Menth. Pip. English 5 lbs. @ 27/- lb.; 1 lb. @ 29/- lb.; Hotchkiss original bots. 21 oz. each @ 10/6 lb.; 6 bots. @ 10/3 lb.; 18 bots. @ 9/11 lb.; American, 20 lbs. @ 8/6 lb. 4½ lb. @ 9/- lb.; 1 lb. @ 9/4 lb.; Japanese 60 lbs. @ 5/9 lb.; 5 lbs. @ 6/3 lb.
Ol. Morrhuæ, Nov. 1909, finest non-freezing 25 gall. tin lined barrels @ 69/- per barrel; 2 gall. tins @ 7/6 each.
Ol. Myrbane, 1 cwt. @ 48/- cwt.; 9 lbs. @ 6½d. lb.
Ol. Myristicæ, 7 lbs. @ 3/4 lb.; 1 lb. @ 3/8 lb.
Ol. Nucis, Pallid, 45 galls. @ 3/8 gall.; 2 gall. tins @ 4/6 gall.
Ol. Olivæ, P.B., good yellow, 45 gall. Barrel @ 4/3 gall.; 2 galls. @ 5/3 gall. [1/7 lb.
Ol. Origani Rub., Ooml., 28 lbs. @ 1/5 lb.; 9 lbs. @
Ol. Peach Kernel (so-called) 1 cwt. @ 10d. lb.; 56 lbs. @ 10½d. lb.; 9 lb. @ 1/- lb.
Ol. Ricini Alb. Opt. Medicinal, 176 lb. @ 33/6 cwt.; 88 lb. @ 36/6 cwt.; 44 lb. @ 38/- cwt; 9 lbs. @ 5½d. lb.; for export, 1 cwt. drums recommended, 7/- each extra or 3½ cwt. barrels @ 32/- cwt.
Ol. Rosmarini Ooml., 28 lbs. @ 1/6 lb.; 9 lbs. @ 1/7 lb.; B.P., 9 lbs. @ 2/5 lb.; 1 lb. @ 2/9 lb.
Ol. Santali Flav. Ang. B.P., 5 lbs. @ 10/1 lb.; 1 lb. @ 10/6 lb. [3/- lb.
Ol. Sassafras, genuine, 28 lbs. @ 2/7 lb.; 1 lb. @
„ Sinapis Express., 1 gall. tins @ 4/6 each.
„ Staphisagriæ, Ang., 9 lbs. @ 4/6 lb.; 1 lb. @ 5/3 lb.
„ Succin. Rect., 28 lbs. @ 1/1 lb.; 9 lbs. @ 1/2 lb.; 4½ lbs. @ 1/3 lb. [7 lbs. @ 1/5 lb.
„ Theobromæ B.P., 8-oz. tabs, 28 lbs. @ 1/4 lb.;
„ Wintergreen Artificial, 56 lbs. @ 1/4 lb.; 5 lbs. @ 1/8 lb.; 1 lb. @ 1/10 lb.
Opium Turc. B.P., 14 lbs. @ 14/6 lb.; 3 lbs. @ 15/- lb.; 1 lb. @ 15/6 lb.; powder, 6d. lb. extra.
Orris, English Ground, 1 cwt. @ 60/- cwt.; 7 lbs. @ 8d. lb.
Oss. Sepiæ Pulv. 1 cwt. @ 6d. lb.; 7 lb. @ 7½d. lb.
Otto Rosæ, finest, 1 oz. @ 20/6 oz.; No. 2, 1 oz. @ 15/6 oz.
Oxymel Scillæ, B.P., 5 cwt. @ 3½- cwt.; 1 cwt. @ 34/- cwt.; * 7 lbs. @ 6d. lb.
Papain 1-80, 1 lb. @ 16/6 lb.; 1 oz. @ 1/5 oz.
Paraffinum Durum B.P. 2 cwt. @ 3½d. lb.; 1 cwt. @ 3¾d. lb.; 56 lbs. @ 4d. lb.; 7 lbs. @ 5d. lb. Molle Flav. B.P., 3½ cwt. @ 16/6 cwt.; 1 cwt. @ 25/- cwt.; 28 lbs. @ 3½d. lb.; 7 lbs. @ 4d. lb.; Alb. B.P. 3½ cwt. @ 55/- cwt.; 28 lbs. @ 7d. lb.
Paraldebyde, B.P., 7 lbs. @ 1/10 lb.; 1 lb. @ 2/- lb.
Pepsin, P.B., 10 lbs. @ 8/10 lb.; 1 lb. @ 9/6 lb.
Pbenacetin, P.B., pulv. 1 cwt. @ 2/8 lb.; 7 lbs. @ 2/10 lb.; 1 lb. at 3/- lb.
Pbenazone, P.B., 7 lbs. @ 6/11 lb.; 1 lb. @ 7/6 lb.
Pbenolpbthalein, 7 lbs. @ 8/6; 1 lb. @ 9/- lb.
Pix. Burgund. Druggists' 1½ cwt. @ 20/- cwt.; 7 lbs. @ 3½d. lb.
Plumbi Acetas, Druggists', 1 cwt. @ 32/6 cwt.; 7 lbs. @ 4½d. lb.; Powder, 1d. lb. extra.
Podophyli Resina, P.B., 1 lb. @ 11/- lb.
Potassa Caustica Sticks, P.B., 28 lbs. @ 10d. lb.; 6 1-lb. Bots. @ 11d. lb.
Potas. Acetas. Gran. P.B., 28 lb. @ 1/- lb.; 7 lbs. @ 1/1 lb. [4d. lb.
„ Bicarb. pulv., 1 cwt. @ 32/6 cwt.; 7 lbs. @
Potas. Brom. P.B., 1 cwt. @ 11d. lb.; 28 lbs. @ 11½d. lb.; 7 lbs. @ 1/- lb. [5d. lb.
„ Oblor. Pulv., 1 cwt. @ 4d. lb.; 7 lbs. @
Potass. Oit., B.P., 7 lbs. @ 1/8 lb. [@ 1/2 lb.
„ Cyanidum 98 %, 1 cwt. @ 11½d. lb.; 7 lbs.
Potass. Iod. P.B., 1 cwt. @ 7/9 lb.; 14 lbs. @ 7/10 lb.; 3 lbs. @ 7/11 lb. [@ 6d. lb.
„ Metabisulph., 1 cwt. @ 42/6 cwt.; 7 lbs.
„ Permang., Oryst., 1 cwt. @ 38/- cwt.; 7 lbs. @ 5d. lb.; large cryst., 7 lbs. @ 6d. lb.
„ Prussias Flav., 7 lbs. @ 7½d. lb.
Pulv. Caryoph. 7 lbs. @ 10d. lb.
„ Oretæ Arom. P.B., 14 lbs. @ 7d. lb.; o. Opio B.P., 7 lbs. @ 1/7 lb.
Pulv. Glycyrrb. Co. B.P. (Green), English Ground, 56 lbs. @ 31/- cwt.
„ Ipecac. Comp. P.B., 1 lb. @ 3/- lb.
„ Jalap. Comp. P.B., 1 lb. @ 1/6 lb.
„ Rbei Comp. P.B., 1 lb. @ 1/2 lb. [2d. lb.
Quassia Ohips, 1 cwt. @ 13/6 cwt.; 28 lbs. @
Quinine Bisulph, 100 oz. @ 8d. oz.; 25 oz. @ 9d. oz.; 10 oz. @ 10d. oz.
Quinine Etbyl Carb. (Tasteless), 100 oz. @ 2/5 oz.; 10 oz. @ 2/9 oz.
Quininæ Hydrobromas or Salicylate, B.P., 100 oz. @ 11½d. oz.; 25 oz. @ 1/0½ oz.; 10 oz. @ 1/2 oz.
Quininæ Hydrochlor., B.P., 100 oz. @ 11d. oz.; 25 oz. @ 1/- oz.; 10 oz. @ 1/2 oz.
Quininæ Sulph., B.P., 400 oz. @ 6½d. oz.; 100 oz. @ 6¾d. oz.; 25 oz. @ 7½d. oz.; 10 oz. @ 8d. oz. [7 lbs. @ 4d. lb.
Rad. Gent., English Ground, 1 cwt. @ 28/6 cwt.;
Rad. Glycyrrb., English ground, 1 cwt. @ 20/- cwt.; 7 lbs. @ 3d. lb.
Rad. Jalap., English ground, 28 lbs. @ 2/3 lb.; 7 lbs. @ 2/5 lb.
Rad. Rbei, E. I., English ground, 1 cwt. @ 1/- lb.; 28 lbs. @ 1/1½ lb.; 7 lbs. @ 1/3 lb.
Rad. Rhei E. I., Trimmed, 7 lbs. @ 4/6 lb.; 1 lb. @ 4/9 lb.
Resorcin, B.P., 7 lbs. @ 2/11 lb.; 1 lb. @ 3/4 lb.
Sabadilla Seeds, 28 lbs. @ 8d.; 7 lbs. @ 9d.; Powder, 3d. lb. extra.
Saccharine ·550 or ·500, 7 lbs. @ 34/6 lb.; 1 lb. @ 35/6 lb.; ·330, 7 lbs. @ 27/- lb.; 1 lb. @ 28/6 lb. For Export only, 1 cwt. lots @ 4/- lb. for ·550.
Sacchar. Ust., 1 cwt. @ 25/6 cwt.; 10 lbs @ 4d. lb.
Saffron, Valentia, B.P., 1 lb. @ 33/- lb.; 1 oz. @ 2/6 oz. [7 lbs. @ 7d. lb.
Sal. Acetos, 1 cwt. @ 5½d. lb.; 56 lbs. @ 6¼d. lb.;
Salicinum, B.P., 1 lb. @ 16/6 lb.
Salol, B.P., 7 lbs. @ ; 1 lb. @ lb.
Sang. Draconis pulv., English Ground, 1 cwt. @ 1/10½ lb.; 7 lbs. @ 2/-½d. lb.
Santoninum, P.B., 7 lbs. @ lb.; 1 lb. @ lb.
Sapo Cast. Alb., 10 cwt. @ 23/- cwt.; 2 cwt. @ 24/-; 7 lbs. @ 3½d.; pulv., 1 cwt @ 58/6 cwt.; 56 lbs at 62/- cwt.; 7 lbs. @ 7½ lb.; Animal pulv., 1 cwt. @ 50/6 cwt.; 56 lbs. @ 6d. lb.; 7 lbs. @ 7d. lb.

*Minimum quantity at these prices, Home Trade, 3 Winchester Quarts assorted. Export, 12 Winchester Quarts assorted.

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OLDEST & ONLY APPROVED REMEDY for GOUT, RHEUMATISM, and ALL OTHER NERVOUS DISORDERS.

Pine Needle Oil	from	1/1½	Pine Lozenges ...	from	1/1½	Pine Toilet Soap	from	9d.
Pine Wadding ...	,,	6d.	Pine Bath Extract	,,	1/1½	Pine Wool Chest Protectors		3/3

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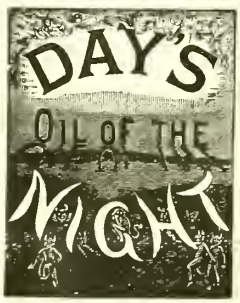
DAY'S OIL OF THE NIGHT



The great household Remedy for Chest Colds, Sore Throat, Rheumatism, Sciatica, & all aches & pains.

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RATS and MICE

HARMLESS TO HUMAN BEINGS, DOMESTIC AND OTHER ANIMALS, BIRDS, &c.

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Dr. Danysz writes:—"My virus for rats and mice has, up to the present date, caused no accident, nor injury to the health of man, and my long experience enables me to say, and to affirm, that my microbe is not dangerous to human beings."

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PINK AND WHITE.
HUMAN AND VETERINARY.

This can be sold as Chemist's own Preparation.

Put up in 4, 8, and 12 oz. bottles, or in bulk.

HEALING OINTMENT For DOGS and CATS

Cures Mange, Eczema, Itching, Skin Irritation, Wounds, Canker of the Ear, Burns and Scalds.

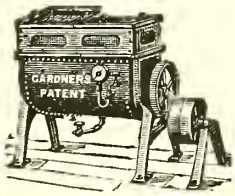
For Terms and Samples apply—

F. JAMES, 169 Junction Road, LONDON, N.

GARDNER'S PATENT

"RAPID" SIFTERS & MIXERS

OVER 2,870 working in Almost Every Trade where POWDERS are Sifted and Mixed and Lumps Reduced, all being done at one operation and without loss by dust.



FOR HAND OR POWER.

From 55/- to £90.

CATALOGUES FREE.

WM. GARDNER & SONS, Engineers, GLOUCESTER.

DO YOU SELL INSECTICIDES? If so, your stock is not complete unless it includes

VAPORITE THE ORIGINAL SOIL INSECTICIDE.

Consider the following facts:—
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2. Your customers require it.
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VAPORITE COMMANDS A READY SALE AND A HANDSOME RETURN.

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SOLD IN CASKS AND TINS. *Write for Price List No. 40 and our Trade Terms.*

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HORSE BALLS

Gelatine or Transparent coated. Oval or Oblong.

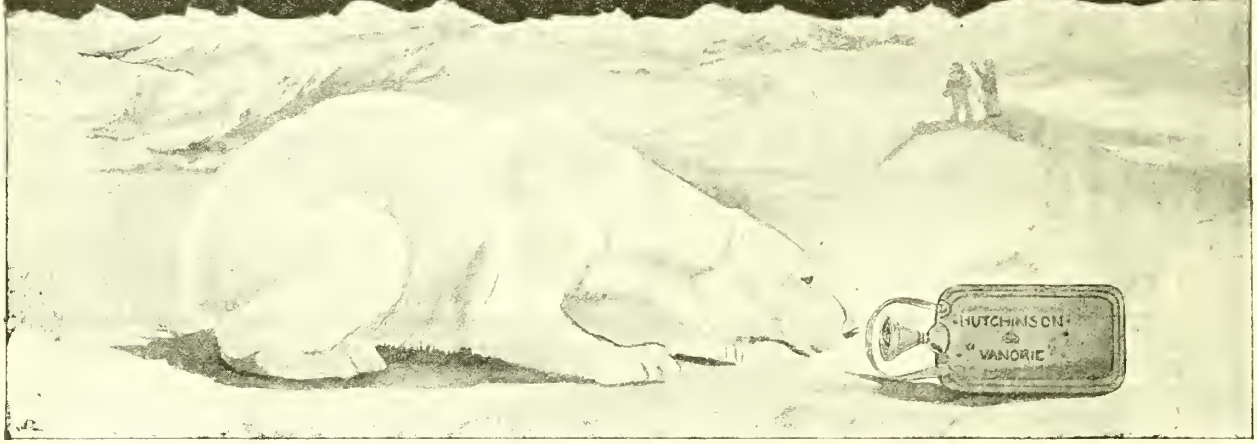
Alterative, Cough, Cordial, Fever, Grease, Tonic and Diuretic. **1/6** per dozen net, in boxes of 3, 6, or 12.

PHYSIC BALLS from **1/6** to **2/9** doz.

THE WAND MANUFACTURING CO.
21 WELLINGTON ST., LEICESTER.

NAT. TEL. 1145. TEL. ADDRESS: "QUERCUS."

THE CONQUEST OF THE NORTH POLE



Controversy is still raging. But the range of . .

HUTCHINSON WATER BOTTLES

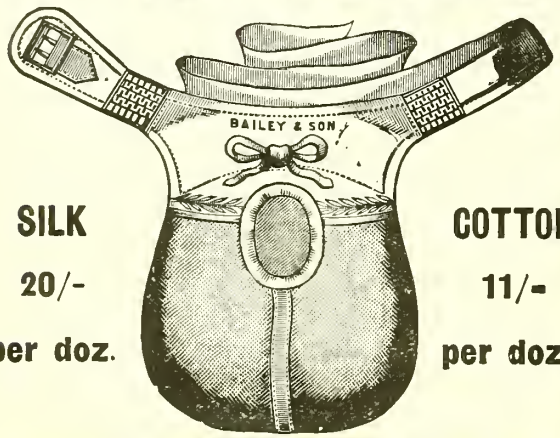
for price and quality have unanimously

BEEN FOUND

unsurpassed. Prices right! Quality right! Our "Vanoric" range are splendid selling lines.
Stocked by all the Leading Houses. *May we send you our latest Price List?*

THE HUTCHINSON COMPANY, 70 Basinghall Street, LONDON, E.C.

BAILEY'S "A.B.C." SUSPENSORIES.



SILK 20/- per doz.

COTTON 11/- per doz.

Assorted—A, small; B, medium; C, large bags.

W. H. BAILEY & SON,
38 OXFORD STREET, LONDON. W. (3)

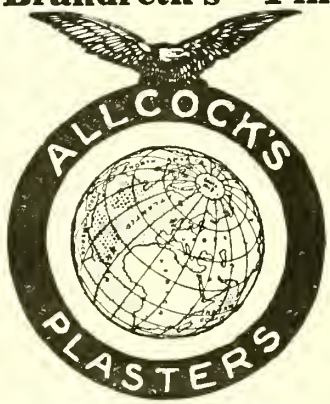
The Original and only Genuine

Allcock's

POROUS PLASTERS

A REMEDY OF 60 YEARS' STANDING.

Allcock's Plasters
Allcock's Corn and Bunion Plasters
Brandreth's Pills
} ***The Three Reliables.***



A HANDSOME SHOWCARD will be sent free of cost and post paid on application.

ALLCOCK MANUFACTURING COMPANY
22 Hamilton Sq., Birkenhead.

"Sold all round the World."

HOT-WATER BOTTLES

GUARANTEED FOR 2 YEARS.

Both "heavy" and "light" bottles are made from **best quality** rubber.

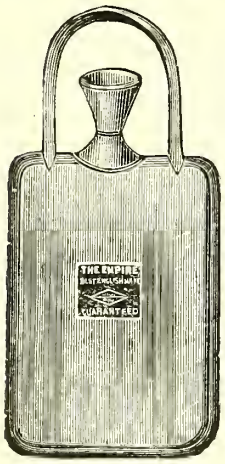


Fig. 955.
TOP HANDLE.

Sizes.	Heavy. s. d.	Light. s. d.	Plush Covers. s. d.
6 × 8 inch	2 8 each	2 5 each	0 8 each
6 × 10 ,,	3 0 ,,	2 8 ,,	0 8 ,,
6 × 12 ,,	3 5 ,,	3 1 ,,	0 10 ,,
8 × 10 ,,	3 8 ,,	3 2 ,,	0 10 ,,
8 × 12 ,,	4 2 ,,	3 7 ,,	0 11 ,,
8 × 14 ,,	4 9 ,,	4 2 ,,	0 11 ,,
10 × 12 ,,	4 9 ,,	4 2 ,,	0 11 ,,
10 × 14 ,,	5 4 ,,	4 10 ,,	1 0 ,,
12 × 14 ,,	6 2 ,,	5 7 ,,	1 2 ,,

N.B. Owing to the recent enormous rise in the price of raw rubber we are compelled to add an advance of 10% on above prices. This advance will be taken off the moment the state of the market permits, but as the present indications point to still higher prices, we strongly advise all our friends to place their orders for winter stock at once.

Each one in neat paper bag with directions for using.

For orders of two dozen bottles assorted we will put rubber tablet with customer's name on free of charge.

Fig. 957.
SIDE HANDLE.

5% discount allowed for prompt cash off above prices. Carriage paid on orders of £2 and upwards to any town in the United Kingdom.

OUR GOODS ARE RIGHT AND PRICES LOW.

WRITE FOR NEW ILLUSTRATED PRICE LIST, POST FREE.

BURGE, WARREN & RIDGLEY, LIM., 91 & 92 GREAT SAFFRON HILL, LONDON, E.C.

Conoids are the new system of Medical Treatment.

REGISTERED CONOID REGISTERED
312887.

THE CONOID COMPANY,
174 Corporation Street,
Birmingham.

The Conoid Company's Method for the Cure of Influenza, Colds, and All Ailments of the Nose, Throat and Lungs, by Inhaling Medicated Air will be found far more agreeable than any method at present in vogue—and is absolutely efficacious. Their system consists in impregnating the finest quality of Cotton Wool with the Essences of the most highly approved Medicines; in shaping the Cotton Wool into Conoids which can be readily inserted into the Nostril so that the vapours are inhaled into the Throat and Lungs.

The penetrating power of the vapours will effectually remove the cause of the complaint and the healing and soothing Remedies incorporated in the Medicament will complete the cure.

Influenza—and its dreaded after-effects—will never yield to the old-time remedies. The seat of the mischief is in the respiratory organs, and it needs the knowledge and experience of the Physician, combined with the scientific research of the Chemist, to find a Sure Remedy. This combination has produced the Influenza Conoid, which attacks the cause directly, and never fails to act pleasantly, quickly, and effectively.

CONOIDS are retailed at 1/1½ per Box.

Influenza Conoids

Are neatly packed in Boxes each containing 2 dozen Conoids.
RETAIL PRICE—1/1½ per Box.
A single Conoid will give relief.

CONOIDS ARE THE NEW SYSTEM OF MEDICAL TREATMENT.

Wholesale prices for cash with order—

1 GROSS BOXES @ 9/- Per Dozen Boxes, Carriage Paid.
Less than 1 ,, ,, @ 9/6 ,, ,, ,, ,, ,,

DISPENSING BOTTLES & PHIALS.

I. ISAACS & CO., Glass Bottle Manufacturers,
106 Midland Road, St. Pancras, London, N.W.

Beg to call attention to their REDUCED PRICES.
We make the New Shape, Oval Fronted Bottles. No extra charge.

FIRST QUALITY.
3 & 4 6 & 8 12 16 ounce.
9/- 10/- 15/- 20/- per gross } Round edges, plain or graduated, quinine tinted.

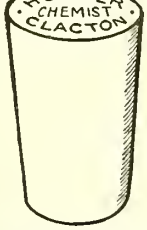
SECOND QUALITY.
3 & 4 6 & 8 12 16 ounce.
7/6 8/6 12/- 18/- per gross } Round edges, plain or graduated, clear blue tinted.

PANEL BOTTLES (reduced prices).
2 3 4 6 8 ounce
7/6 8/- 8/- 9/- 10/- per gross.

WHITE PHIALS—GOOD QUALITY.
½ 1 1½ 2 ounce
3/6 4/- 4/6 5/6 per gross } Plain or teaspoons.

Six gross and upwards, assorted or otherwise, sent carriage paid to any address in the United Kingdom. Smaller quantities not carriage paid.

Established 120 years. Bankers: London County and Westminster Bank



Would you like your name branded on your Corks?

It costs next to nothing.

Full particulars, sample and price list of all Chemists' Corks free on application.

N. W. MITCHELL & SONS, LTD.

CORK MANUFACTURERS,
"BOUCHON" WORKS, 15-17 Farrance Street, Limehouse, LONDON, E.

GLASS BOTTLES.

WINCHESTERS In Pale Green, Blue, and Amber Colours. Many sizes. Plain and ground stoppered.

KILNER POISONS. Our well-known make. Attractive style. All useful sizes. In Blue and Amber Colours.

DISPENSING. All shapes. Many sizes and graduations. In nice light Blue Tint.

AERATED WATERS. Codds, Screw & Swing Stoppers. Cork and Crown Cork Mouths. Strong and Well Blown.

MACHINE AND HAND-MADE BOTTLES

For Fruit, Jelly, Jam, Marmalade, Sweets,
:: Soup, Pickles, Sauces, Milk, &c. ::

Illustrated Catalogue and Prices on application.

KILNER BROTHERS, Ltd.

No. 3 G.N. Goods Station, KING'S CROSS, LONDON.

DUNLOP
HOT WATER BOTTLES

Special Terms to the Trade.

Catalogue & Prices on Application.

possess real advantages over any other make. They are thoroughly made and properly tested before leaving the works. By a simple arrangement of the stopper every particle of water poured into the neck is bound to go inside, leaving no residue to run out and cause discomfort.

DUNLOP RUBBER CO., Ltd.

Manor Mills, ASTON, BIRMINGHAM.

Telegrams: "ELASTIC BIRMINGHAM." Telephone: ASTON, 123 East.

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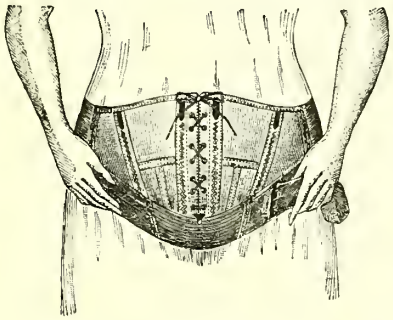
HIGH-CLASS WORK.



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BELT SYSTEM 2.

With elastic hips, expanding lacing in front, and elastic supporting band. A Well made and perfect fitting Belt.

		per doz.
Quality A.	Superior Écru Coutil, inside white, nicest and most satisfactory belt	60/-
Quality B.	Superior Grey Coutil, strong and durable	54/-
Quality X.	Very superior Grey Drill, cheap and satisfactory	40/-
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Each in a Box. Carriage paid for the United Kingdom. Per 3 Dozen, 10 per cent. discount.

GENT'S BODY BELT.

Quality A.	Very superior Red Felt, guaranteed pure wool	24/-
	Double Felt, very substantial	30/-

Carriage paid for United Kingdom. Per 2 dozen, 10 per cent. discount. New Accounts, Cash or References.

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VINCENT WOOD

For BRITISH MADE

Hot-Water Bottles.

One Quality only—
GUARANTEED RELIABLE.
10×8 3/3, 12×8 3/10 each.
Other Sizes in Proportion.

Also NEW COVERS.

CHEST AND LUNG PROTECTORS, WINTER BODY BELTS, TRUSSES, ELASTIC HOSIERY, and Surgical Appliances generally.

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Send for List. LONDON, S.E.

THE NEW

'ADAPTABLE' HOT WATER BOTTLE

(REGISTERED DESIGN.)

Suitable for many purposes for which the old-fashioned shape is useless

For BED WARMERS.
For CARRIAGES.
For MOTOR CARS.
For INVALIDS, &c.

Customers can have their names, &c. printed on reverse side.

LOW PRICES. BIG DISCOUNT.

Sole Manufacturers:—

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COLD CREAM POT

Body of Pure White Opaque Pressed Glass, Cap of bright Aluminium, beautifully chased, much superior to the Celluloid Covered Pots, no rust, no smell—in fact the most sensible and the neatest little Pot in the market—is made for the coming season by

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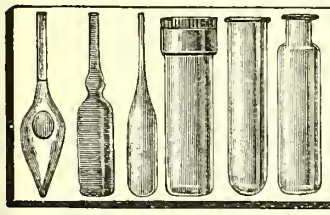
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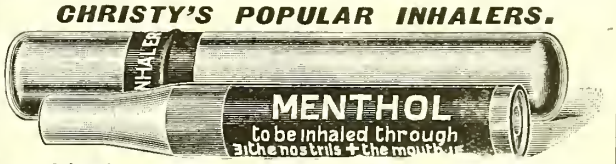

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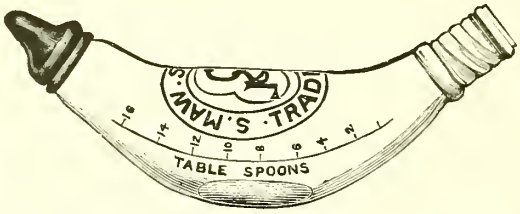

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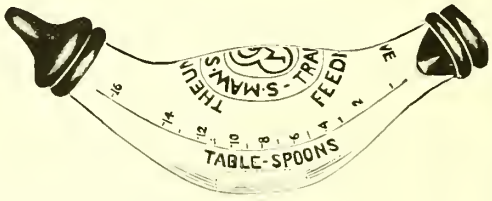
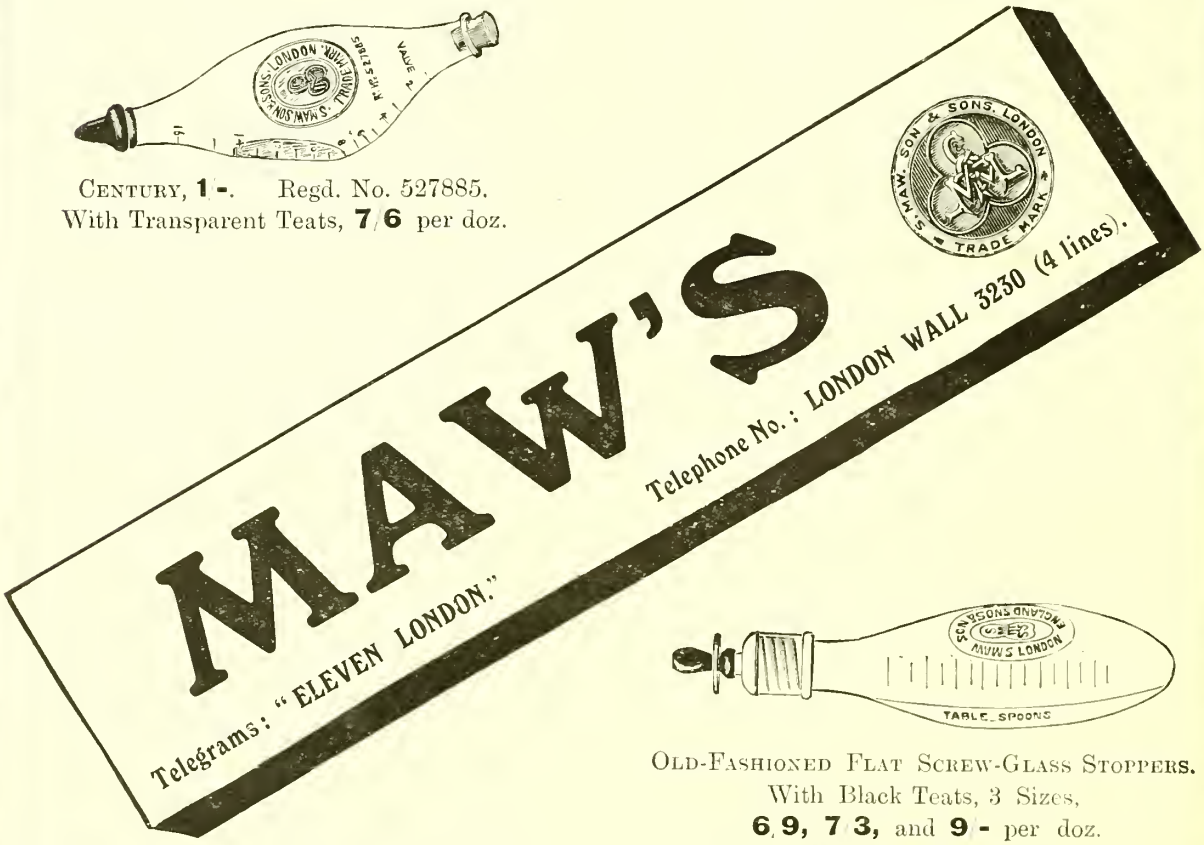
With Black Teats, **8/-** per doz.
With Transparent Teats, **8/3** per doz.



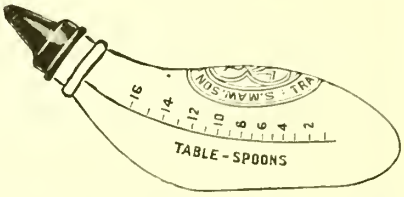
The Universal, **1/-**.
With Black Teats, **8/-** per doz.
With Transparent Teats, **8/3** per doz.

Century, **1/-**. Regd. No. 527885.
With Transparent Teats, **7/6** per doz.



Old-Fashioned Flat Screw-Glass Stoppers.
With Black Teats, 3 Sizes,
6/9, 7/3, and **9/-** per doz.
With Transparent Teats,
6/11, 7/5, and **9/2** per doz.

Little Folks.
With Black Teats, **4/3** per doz.
With Transparent Teats, **4/6** per doz.



The Oval (with Pin-Hole), **6d.**
With Black Teats, **3/9** per doz.
With Transparent Teats, **4/-** per doz.

CHANGE OF ADDRESS

1909.

On and after Monday, October 18, 1909,

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